



Replacement Parts List No. 571178  
Revision Z 01/15

# **RoofPak Draw Thru/Blow Thru Air Handler Small Cabinet**

RDS  
Sizes: 800 - 802  
Vintage C

# Contents

<b>Parts List Revision History</b> .....	5
<b>Nomenclature</b>	
Unit Model and Serial Number .....	6
Unit Code Index .....	7- 12
Control Locations .....	13
Electrical Legend .....	14- 17
<b>Section A1- Outdoor/Return Air Section</b>	
Notes .....	18
100% Outside Air Damper with Hood- No Return Air Plenum .....	19
100% Outside Air Damper with Hood.....	20, 21
0- 30% Outside Air Section .....	22, 23
0- 100% Economizer Section - Units without Return Air Fans .....	24
0- 100% Economizer Section- Units with 15" Forward Curved Return Air Fans .....	25
0- 100% Economizer Section- Units with 30" Air Foil Return Air Fans.....	26
0- 100% Economizer Section- Units with 40" Air Foil Return Air Fans.....	27
0- 100% Economizer Assembly .....	28, 29
Design Flow Detail .....	30
Return Air Fan Mounting- 15" Forward Curved Fan .....	31
Return Air Fan Mounting- 30" AND 40" Airfoil Fan- Until 12/04 .....	32
Return Air Fan Mounting- 30" AND 40" Airfoil Fan- 12/04 & Later.....	33
Return Air Fan Deck- 15" Fans .....	34
Return Air Fan Deck- 30" Fans- Until 12/04.....	35
Return Air Fan Deck- 30" Fans- 12/04 & Later .....	36
Return Air Fan Deck- 40" Fans: Code 21= 40W*, 40B*- Until 12/04.....	37
Return Air Fan Deck- 40" Fans: Code 21= 40B1, 40B2 OR 40B3- 12/04 & Later .....	38
Return Air Fan Motors .....	39
Section Mounted Controls- OAE, RAE, RAT, SD2, LT11, S11, REC11 .....	40
<b>Section A2- Outdoor/Return/Heat Recovery Air Section</b>	
Notes .....	41
100% Outside Air Low Flow: Code 20= 1E .....	42
100% Outside Air High Flow: Code 20= 2E .....	43
Economizer: Code 20= 3E .....	44
24" Return Fan Detail- Fan Components .....	45, 46
24" Return Fan Detail- Fan Motors & Motor Mounts .....	47
24" Return Fan Detail- Fan Mounts.....	48, 49
Low Leak Damper Detail- MicroTech II Units .....	50
Low Leak Damper Detail- MicroTech III Units .....	51
Low Leak Bypass Damper Detail- MicroTech II Units .....	52
Low Leak Bypass Damper Detail- MicroTech III Units .....	53
Heat Recovery/Enthalpy Wheel Detail .....	54
AFD60 Frost Protection Inverter (Code 24= F) .....	55
Section Mounted Controls- OAE, RAE, RAT, EAT, LAT .....	56
Section Mounted Controls- SD2, HUM1, LT11, S11, REC11 .....	57
<b>Section B- Draw-Thru Filter/Blank Section</b>	
Notes .....	58
Section Mounted Controls- PC5, SPS5.....	58
Filter Section & Air Blender .....	59
<b>Section C- Draw-Thru Blank Access Section OR Separate Inverter Section</b>	
Notes .....	60
<b>Section D- Draw-Thru Cooling/Heating Section</b>	
Notes .....	61
Option 1: Contractor Coil	
Contractor Coil Code Strings.....	62
Contractor Coil.....	63
Face & Bypass Damper.....	64
Option 2: Draw-Thru Evaporator Cooling Coil Only .....	65
Option 3: Draw-Thru Chilled Water Cooling Coil Only .....	66
VM5 Valve Package .....	67
Option 4: Draw-Thru Combination Evaporator Coil w/HW OR Steam Heat .....	68
Option 5: Draw-Thru Combination .....	69
Option 6: Drain Pan Only .....	70
Section Mounted Controls-LT21, S21, REC21, FS1, FS2 .....	70

# Contents, continued

## Section E- Draw-Thru Heat or Blank Access Section

Notes .....	71
Section Mounted Controls- LT18, S18, REC18.....	71
Hot Water OR Steam Coil .....	71
VM1 Hot Water OR Steam Valves .....	72

## Section F- Supply Air Section

Notes .....	73
Fan Assembly- 15" X 6" AND 15" X 15" Forward Curved Fans .....	74
Fan Assembly- 20" Airfoil Fans w/o Variable Inlet Vanes .....	75
Fan Assembly- 20" Airfoil Fans with Variable Inlet Vanes.....	76
Fan Assembly- 24" Forward Curved LP Fans .....	77
Fan Assembly- 24" Forward Curved MP Fans .....	78
Fan Assembly- 24" Airfoil Fans w/o Variable Inlet Vanes .....	79
Fan Assembly- 24" Airfoil Fans with Variable Inlet Vanes.....	80
Supply Air Fan Mounting- 15" x 6" OR 15" X 15" Forward Curved Fan- Until 12/04 .....	81
Supply Air Fan Mounting- 15" x 6" Forward Curved Fan- 12/04 & Later .....	82
Supply Air Fan Mounting- 15" X 15" Forward Curved Fan- 12/04 & Later .....	83
Supply Air Fan Mounting- 20" Airfoil Fan- Until 12/04.....	84
Supply Air Fan Mounting- 20" Airfoil Fan- 12/04 & Later .....	85
Supply Air Fan Mounting- 24" Airfoil Fan- Until 12/04.....	86
Supply Air Fan Mounting- 24" Airfoil Fan- 12/04 & Later .....	87
Supply Air Fan Mounting- 24" Forward Curved Fan- Until 12/04 .....	88
Supply Air Fan Mounting- 24" Forward Curved Fan- 12/04 & Later.....	89
Supply Fan Motors .....	90
Inverters & Inverter Bypass Control Box- Until 3/05 .....	
Motor HP 1- 25 .....	91
Inverters & Inverter Bypass Control Box- 3/05 thru 10/06 <sup>1</sup> .....	
Motor HP 1- 5 .....	92, 93
Motor HP 7.5- 25 .....	94- 96
Inverters & Inverter Bypass Control Box- 1/07 to 3/13 <sup>1</sup> .....	
Motor HP 1- 5 .....	97, 98
Motor HP 7.5 - 25 .....	99- 101
Inverters & Inverter Bypass Control Box- 6/13 & Later <sup>1</sup> .....	
Motor HP 1- 5 .....	102, 103
Motor HP 7.5 - 25 .....	104- 106
Inverters .....	107- 110
Section Mounted Controls- PC7, EFT, HL22, LT10, S10, REC10, UV Lights.....	111

## Section G- Blow-Thru Heat Section

Notes .....	112
Option 1: Blank Section & Diffusers .....	112
Option 2: Hot Water OR Steam Heating Coil .....	
Coil & Coil Section Components .....	113
Valve & Valve Components.....	114
Option 3: Electric Heat .....	
Diffusers, Heaters, Hi Limits.....	115, 116
Electric Heat Control Box- Until 3/05.....	117, 118
Electric Heat Control Box- 3/05 & Later- MicroTech II Units OR No Controls .....	119- 122
Electric Heat Control Box- 9/08 & Later- MicroTech III Units <sup>1</sup> .....	123- 126
Option 4- Gas Heat: Code 04= A .....	
Heat Exchangers & Vestibules- 200, 250 MBH Furnaces .....	127
Heat Exchangers & Vestibules- 320, 400, 500, 640, 650, 790, 800, 1000 MBH Furnaces.....	128
Modulating AND Single Stage Burner .....	129- 131
Hi Turn Down Burner.....	132-135
Single Stage OR Modulating Burner Controls .....	
MicroTech Controls (Code 12= 1M- 5M) OR No Controls (Code 12= YM, YC) .....	136
MicroTech II Controls (Code 12= *D, *S) OR No Controls (Code 12= YM, YC) Diagram.....	137, 138
MicroTech III Controls (Code 12= *E, *F, *W) .....	139

<sup>1</sup> For units built during design transitions, determine design used or contact Daikin Applied with model and serial number information so that the required part(s) can be identified.

# Contents, Continued

## Section G- Blow-Thru Heat Section, Continued

Hi Turn Down Burner Controls	
MicroTech II OR No Controls (Code 12= *D, *S OR YM)	140, 141
MicroTech III Controls (Code 12= *E, *F, *W)	142
Gas Train- Inlet	143, 144
Gas Train- Controls: GV2, GV3	145
Gas Train- Controls: GV1, GV2, GV4, GV5, GV6	146
Gas Train- Outlet	147
Gas Train- Damper Linkage	148, 149
Cabinet Doors, Gasketing, Hardware, and Flue Box Mounting	150- 152

## Section H- Blow-Thru Heat Blank Access Section

Notes	153
-------	-----

## Section I- Blow-Thru Cooling/Heating Section

Notes	154
Section Mounted Controls- LT16, S16, REC16	154

## Section J- Final Filter Section

Notes	155
Section Mounted Controls- HL23, PC6, SPS6	155
Filter Frame, Filter Gaskets, Filters	156

## Section K- Discharge Plenum Section

Notes	157
Section Mounted Controls- OAT, DAT, SD1	157

## Section L- Out-of-Airstream Blank Access Section

Notes	158
Door Latching Assemblies (All Sections)	158

## Section N- Main Control Box

Notes	159
Control Box Component Label Diagram	160
Control Panel	
MicroTech Units with Controller (Code 12= 1M- 5M)- Until 1/01	161, 162
MicroTech II Units with Controller (Code 12= *D, *S)- 1/01 thru 3/05	163- 165
Units with No Controller (Code 12= YC, YM)- Until 3/05	166, 167
Microtech II Units with Controller (Code 12= *D, *S) OR Units with No Controller (Code 12= YM, YC)- 3/05 & Later	168- 173
MicroTech III Units with Controller (Code 12= *E, *F, *W)- 9/08 thru 3/13	174- 176
MicroTech III Units with Controller (Code 12= *E, *F, *W)- 6/13 & Later	177-179
Power Panel	
Until 3/05	
Diagram	180
Common Components	181, 182
Fan Motor Contactors, Line Reactors, Overloads and Fusing	183- 187
3/05 thru 10/06 <sup>1</sup>	
Diagram	188
Common Components	189- 192
Supply MMP10 & M10 Fan Contactor and Return MMP20 & M20 Fan Contactor	193- 198
Heat Recovery Wheel Contactor, Motor Protector, & Circuit Breaker	199
1/07 thru 3/13 <sup>1</sup>	
Diagram	200
Common Components	201- 204
Supply MMP10 & M10 Fan Contactor and Return MMP20 & M20 Fan Contactor	205- 209
Heat Recovery Wheel Wheel Contactor & Motor Protector	210
6/13 & Later <sup>1</sup>	
Diagram	211
Common Components	212- 214
Supply and Return Fan Contactors, Circuit Breakers, & Fusing	215- 221
Heat Recovery Wheel Contactor, Motor Protector, Circuit Breaker, & Fusing Components	222
Factory Supplied Line Voltage Box	223

<sup>1</sup> For units built during design transitions, determine design used or contact Daikin Applied with model and serial number information so that the required part(s) can be identified.

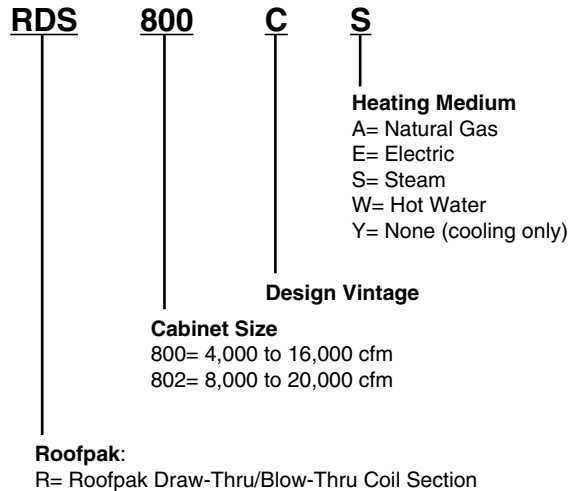
# Parts List Revision History

Rev.	Date	Description
A- D	3/12	Archived Revisions A thru D.
E- T	9/13	Archived Revisions E thru T.
U- Y	10/14	Archived Revisions U thru Y.
Z	01/15	<p>Various: Changed "Code 12= *M" to "Code 12= 1M- 5M", changed "insure" to "ensure".</p> <p>Page 8: Added option "4" to Code 15.</p> <p>Page 11: Corrected HW/ST Code 34 description.</p> <p>Page 18: Rewrote Notes.</p> <p>Page 19: Deleted complete dmpr. assy. p/ns. Rewrote footnotes.</p> <p>Page 20: Moved p/n table to new pg. 21. Added MTIII dwg.</p> <p>Page 21: (NEW): Added pg. for dmpr. components from pg. 20. Updated p/ns. Repaginated form &amp; updated TOC.</p> <p>Page 21 (OLD) 22 (NEW): Moved p/n table to new pg. 23. Added/updated dwgs.</p> <p>Page 23 (NEW): Added pg. for dmpr. components from pg. 22. Updated p/ns. Repaginated form &amp; updated TOC.</p> <p>Page 22 (OLD) 24 (NEW): Added/updated dwgs &amp; p/ns. Rewrote footnotes and updated footnote notation.</p> <p>Page 23- 25 (OLD) 25- 27 (NEW): Rewrote footnotes and updated footnote notation.</p> <p>Page 26, 27 (OLD) 28, 29 (NEW): Added/updated dwgs &amp; p/ns Rewrote footnotes and updated footnote notation.</p> <p>Page 28 (OLD) 30 (NEW): Deleted pg. Unused option. Repaginated form &amp; updated TOC.</p> <p>Page 33- 37, 71- 77 (OLD) 34- 38, 74- 80 (NEW): Changed "020648601", "020648602", "020648603", "020648612" to "020648651", "020648652", "020648653", "020648662". Added footnote &amp; updated footnote notation.</p> <p>Page 39 (OLD) 40 (NEW): Added/updated OAE/RAE dwgs &amp; p/ns Rewrote footnotes and updated footnote notation.</p> <p>Page 45 (OLD) 47 (NEW): Rewrote footnote # 1 and updated footnote notation.</p> <p>Page 46, 49 (NEW): Added pgs. for 5/12 &amp; Later Fan components. Repaginated form &amp; updated TOC.</p> <p>Page 53 (OLD) 56 (NEW): Updated OAE/RAE p/ns &amp; added footnotes &amp; footnote notation.</p> <p>Page 55 (OLD) 58 (NEW): Rewrote footnote # 1.</p> <p>Page 64 (OLD) 67 (NEW): Added/updated dwgs &amp; added 1/09 &amp; Later components.</p> <p>Page 69 (OLD) 72 (NEW): Moved HW/Steam Coil table &amp; dwg. to pg. 71. Added/updated dwgs &amp; added 1/09 &amp; Later HW components. Updated TOC.</p> <p>Page 70 (OLD) 73 (NEW): Rewrote Notes.</p> <p>Page 89- 103 (OLD) 91- 106 (NEW): Updated pg. headers.</p> <p>Page 108 (OLD) 111 (NEW): Corrected spelling in PC7 description. Corrected LT10 description.</p> <p>Page 109 (OLD) 112 (NEW): Rewrote Notes.</p> <p>Page 110 (OLD) 113 (NEW): Corrected Ref #2 description from "C34= W12..." to "C34= W22...".</p> <p>Page 111 (OLD) 114 (NEW): Added/updated dwgs./footnotes &amp; added 1/09 &amp; Later HW components.</p> <p>Page 124, 125 (OLD) 127, 128 (NEW): Updated/added p/ns, rewrote footnotes &amp; updated footnote notation. Changed pg. header &amp; updated TOC.</p> <p>Page 127, 130 (OLD) 130, 132 (NEW): Updated Ref #104 Wheel description. Added Flame Rod p/ns.</p> <p>Page 140 (OLD) 141 (NEW): Updated Ref #25 p/n. Added footnote #1.</p> <p>Page 151 (OLD) 154 (NEW): Corrected LT16 table header &amp; updated fixture dwg.</p> <p>Page 155 (OLD) 158 (NEW): Deleted pg. Iso. dmpr. (option used like a special). Repaginated form &amp; updated TOC.</p> <p>Page 157 (OLD) 159 (NEW): Rewrote Notes.</p> <p>Page 159, 160 (OLD) 166, 167: Moved section to conform to other RPLs. Updated TOC.</p> <p>Page 162: Added MT ribbon cables to table.</p> <p>Page 187- 197 (OLD) 189- 199 (NEW): Added new footnote #1. Updated footnote notation. Misc. updates.</p> <p>Page 208 (OLD) 210 (NEW): Changed pg. header and updated TOC.</p> <p>Page 214- 219 (OLD) 216- 221 (NEW): Updated pg. headers, deleted VFD info. &amp; updated footnotes &amp; footnote notation.</p>

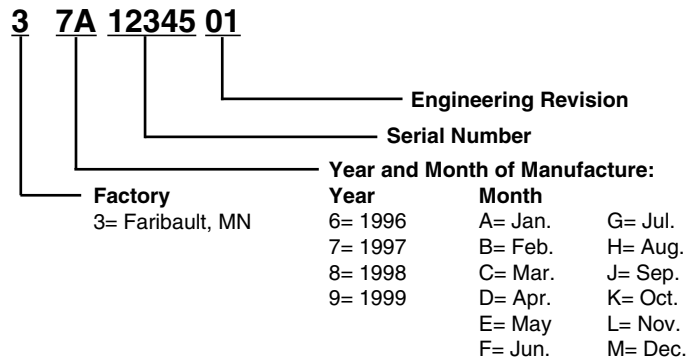
# Nomenclature

## Unit Model and Serial Number

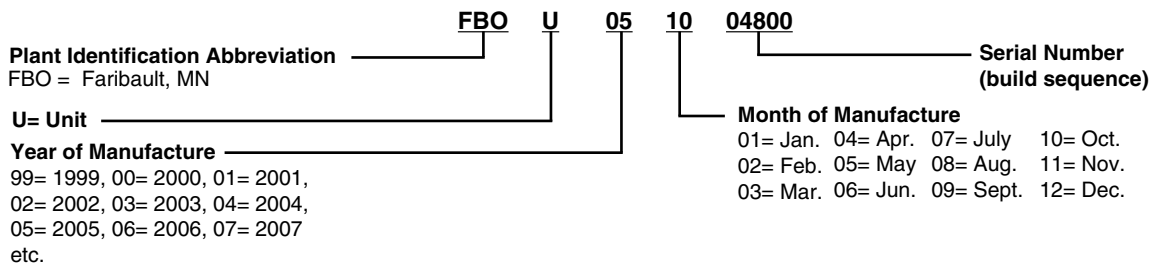
### Unit Model Number



### Serial Number- Until 2/1999



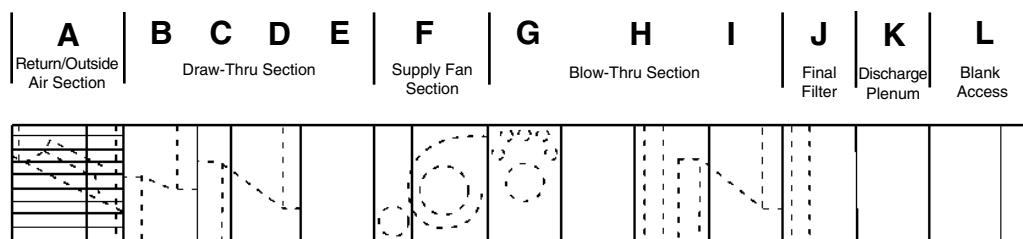
### Serial Number- 2/1999 & Later



## Unit Code Index <sup>1, 2</sup>

## Unit Model Number- Complete

RDS 800C	<u>L</u>	<u>A</u>	<u>Y</u>	<u>1</u>	<u>EU</u>	<u>P</u>	<u>27</u>	<u>AL</u>	<u>P1</u>	<u>1M</u>	<u>1</u>	<u>Y</u>	<u>1</u>	<u>1</u>	<u>YY</u>	<u>R480</u>	<u>BY</u>	<u>BE</u>	<u>15F1</u>	<u>EAY</u>
Code	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22
	<u>1250A</u>	<u>Y</u>	<u>AB</u>	<u>S</u>	<u>BYYS</u>	<u>5Z083H</u>	<u>5J092J</u>	<u>YYYYYY</u>	<u>06F1</u>	<u>EEY</u>	<u>0960B</u>	<u>065SEA</u>								
	23	24	25	26	27	28	29	30	31	32	33	34								
	<u>DYYS</u>	<u>YYYYYY</u>	<u>YYYYYY</u>	<u>B</u>	<u>A</u>	<u>BY</u>	<u>Y</u>	<u>2</u>	<u>YYYYY</u>	<u>Y</u>	<u>F</u>	<u>YY1AYA</u>								
	35	36	37	38	39	40	41	42	43- 47	48	49	50- 54								



## General Options

Unit Model Codes that Pertain: 05, 06, 07, 50- 54

## Section A

## Return/Outside Air Options

Unit Model Codes that Pertain:  
14, 15, 19, 20, 21, 22, 23, 24, 49

### Sections B, C, D, E

## Draw-Thru Cooling Sections

### Section B- Filter

Unit Model Codes that Pertain: 25

### Section C- Draw-Thru Blank Access

Unit Model Codes that Pertain: 14, 15, 26

### Section D- Draw-Thru Cooling Section

Unit Model Codes that Pertain: 03, 27, 28, 29

### Section E- Draw-Thru Heat/Blank Access

Unit Model Codes that Pertain: 30

## Section F- Supply Fan Options

Unit Model Codes that Pertain:  
14, 15, 17, 27, 28, 31, 32, 33, 49

### Sections G, H, I

## Blow-Thru Options

## Section G= Blow-Thru Heat/Blank

Unit Model Codes that Pertain: 04, 34

### Section H= Blow-Thru Blank Access

Unit Model Codes that Pertain: 38

## Section I- Blow-Thru Cooling Sections

Unit Model Codes that Pertain: 35, 36, 37

## Section J- Final Filter Section

Unit Model Codes that Pertain: 39

## Section K- Discharge Plenum Section

Unit Model Codes that Pertain: 40

### Section L- Blank Section- Out of Airstream

Unit Model Codes that Pertain: 41

## Section N- Main Control Panel

Unit Model Codes that Pertain: 08, 09, 11, 12, 13, 14, 15, 17, 18

<sup>1</sup> An "X" located in any position in a code string indicates a special feature. Contact Daikin Applied with model and serial number information in order to correctly identify the required part(s).

<sup>2</sup> The Unit Section Layout Diagram shown above is to be used only for reference. Sections and component locations may vary depending upon unit size, configuration, and options selected.

# Nomenclature

## Unit Code Index, Continued

### Code 03= Unit Cooling Coil Size

Y= No Unit Cooling Coil  
L= Large area unit Cooling Coil

### Code 04= Type of Heat

Y= No Heat  
A= Natural Gas Heat  
E= Electric Heat  
S= Steam Heat  
W= Hot Water Heat

### Code 05= Unit Split

Y= None

### Code 06= Insulation and Liners

1= 1", 3/4# with liners on Doors  
2= 1½", 1.5# with solid liners on Doors & Ceilings  
3= 1½", 1.5# with perforated liners in Plenums, solid elsewhere  
4= 1½", 1.5# with solid liners on Doors, Ceilings and Floor  
5= 1½", 1.5# with perforated liners in Plenums, solid elsewhere includes Floor  
6= 1½", 1.5# with StStl Solid Liners on Doors, Ceilings and Floor

### Code 07= Approval Agency listing

YY= None  
EY= ETL/MEA, cooling only  
CY= CSA, cooling only  
EU= ETL/MEA/UL, w/gas heat  
CC= CSA w/gas heat  
CD= CSA w/gas heat

### Code 08= Main Control Box Location

P= Discharge Plenum (until 3/05)  
D= Discharge Plenum (3/05 & later)  
Y= None

### Code 09= Unit Voltage

12= 208/60/3      27= 460/60/3  
29= 230/60/3      37= 575/60/3

### Code 10= Starting Option

AL= Across-the-Line

### Code 11= Field Power Connection and Disconnect

P1= Single Power Block: Complete Unit  
A2= One, through-the-door Disconnect: Complete Unit  
YY= None (Codes 11 - 18 do not apply)

### Code 12= Temperature Controls Package

#### MicroTech

1M= MicroTech, CAV, Zone Control  
2M= MicroTech, VAV, Cooling w/MWUP Heat  
3M= VAV No Cooling w/ Multi Heat  
4M= MicroTech, VAV, Disch. Air Cool and Heating Control  
5M= MicroTech, CAV, Disch. Air Cooling or Cool & Heat Control

#### MicroTech II

Digit 1, Communication Type  
L= LonMark  
B= BACNet w/MSTP  
E= BACNet w/Ethernet  
S= Standalone (no communication)  
Digit 2, Control Type  
D= Discharge Air  
S= Space or Zone Control

### Code 12= Temperature Controls, Continued

#### MicroTech III

Digit 1, Communication Type  
L= LonWorks  
B= BACNet w/MSTP  
E= BACNet w/Ethernet  
S= Standalone (no communication)  
C= BACNet/MSPT (VAV Contactor configurable)  
A= Daikin D3 Gateway (VRV communication)  
Digit 2, Control Type  
E= Discharge Air w/ Static Pressure Control  
F= Space or Zone Ctl.  
W= Discharge Air w/ Space Control

#### No Controls

YM= No Temperature Controls w/ Floating Point Control  
YC= No Temperature Controls w/ 6- 9 volt DC OR 2- 10 VDC Gas Heat Actuator  
YY= None

### Code 13= Air Flow Controls

Y= None  
1= 1 Duct Sensor  
2= 2 Duct Sensors  
3= 1 Duct and 1 Space Sensor  
4= 1 Space Sensor  
5= Duct Hi Limit (DHL) Sensor for No Controls VAV unit

### Code 14= Inverters

Y= None

#### Separate Section

1= SA only w/ Bypass  
2= SA & RA Fans w/ Bypass  
4= RA only w/ Bypass

#### No Separate Section

3= SA only w/ Bypass  
5= SA & RA Fans w/ Bypass  
6= SA only no Bypass  
7= SA & RA Fans no Bypass  
8= RA Fan only w/ Bypass  
9= RA Fan only no Bypass

### Code 15= Inlet Vane/Damper Actuators OR Inverter Type

Y= None  
1= SA w/ VIV  
2= SA & RA w/ VIV  
4= RA w/ VIV  
A= ABB Inverter  
G= Graham Inverter  
Q= Schneider Inverter  
R= Reliance Inverter  
S, B= Daikin Applied Inverter  
F= Field Installed Inverter controlled by MicroTech

### Code 16= Smoke Detectors, with Shutdown Control

Y= None  
1= Return Air Only  
2= Supply Air Only  
3= Supply and Return Air



# Nomenclature

## Unit Code Index, Continued

### Code 17= Misc. Aux. Controls

**C** **Y**  
 Y= None  
 F= Freezestat (Steam or HW Heat only)  
 P= Phase Failure  
 G= Ground Fault Protection  
 L= Line Reactors (Inverter w/ separate section only)  
 A= Freezestat & Phase Failure (Steam or HW Heat only)  
 B= Freezestat & Ground Fault (Steam or HW Heat only)  
 C= Phase Failure & Ground Fault  
 D= Freezestat, Phase Failure & Ground Fault (Steam or HW Heat only)  
 E= Freezestat & Line Reactors (Steam or HW Heat & Inverter w/separate sect. only)  
 H= Phase Failure & Line Reactors (Inverter w/ separate section only)  
 J= Freezestat, Phase Failure & Line Reactors (ST or HW Heat & Inverter w/separate sect. only)  
 K= Ground Fault, Phase Failure & Line Reactors (Steam or HW Heat & Inverter w/separate sect. only)  
 1= UV Lights  
 2= UV Lights & Freezestat (Steam or HW Heat only)  
 3= UV Lights & Phase Failure  
 4= UV Lights & Line Reactors (Inverter w/ separate section only)  
 5= UV Lights, Freezestat & Phase Failure (Steam or HW Heat only)  
 6= UV Lights, Freezestat & Line Reactors (Steam or HW Heat & Inverter w/separate sect. only)  
 7= UV Lights, Phase Failure & Line Reactors (Inverter w/ separate section only)  
 8= UV Lights, Freezestat, Phase Failure & Line Reactors (Steam or HW Heat & Inverter w/separate sect. only)  
 C= Differential Enthalpy  
 Y= None (includes Mechanical Enthalpy on units w/ MicroTech II or III & 0-100% Economizer w/ Actuator)

### Code 18= Misc. Controls/ Unit Length

#### MicroTech

KYYY= Keypad  
 MYYY= Phone Modem  
 BYYY= Keypad and Phone Modem

#### MicroTech II or MicroTech III

W\_\_= Wireless Modem (\_\_= Air Handler Length [in.])  
 M, P\_\_= Phone Modem (\_\_= Air Handler Length [in.])  
 K, R\_\_= Remote Keypad (\_\_= Air Handler Length [in.])  
 S, A, Y\_\_= None (\_\_= Air Handler Length [in.])  
 V\_\_= K + Unit Powered Receptical (\_\_= Air Handler Length [in.])

### Code 19= Return Air Plenum

YY= None (No Return Air Section)  
 BY= Bottom Return  
 HY= Back Return  
 BD= Bottom Return w/VAV damper w/o Actuator  
 BE= Bottom Return w/VAV damper  
 BB= Bottom Return w/Burglar Bars  
 LY= Left Hand side  
 RY= Right Hand side  
 SY= Opposite drive side

### Code 20= Outdoor Air Options

YY= None  
 AE= 100% Outside Air Damper w/ Hood & Actuator  
 AY= 100% Outside Air Damper w/ Hood/no Actuator  
 BE= 0- 30% Outdoor air section w/Actuator  
 BY= 0- 30% Outdoor air section w/o Actuator  
 DE= 0- 100% Econ. w/ barometric Exhaust Damper w/ Act.  
 DY= 0- 100% Econ. w/ barometric Exhaust Damper w/o Act.  
 EE= 0- 100% Econ. w/ power closure Exhaust Damper w/ Act.  
 EY= 0- 100% Econ. w/ power closure Exhaust Damper w/o Act.  
 FE= same as DE + Design Flow  
 FY= same as DY + Design Flow  
 GE= same as EE + Design Flow  
 GY= same as EY+ Design Flow  
 1E= Heat Recovery 100% OA Low Flow  
 2E= Heat Recovery 100% OA High Flow  
 3E= Heat Recovery Economizer

### Code 21= Return Air Fan

YYYY= No Return Air Fan  
 15F(= 15" X 15" Forward Curved  
 24B(= 24" Airfoil (Heat Rec. only)  
 30B(= 30" Airfoil w/o vanes  
 30W(= 30" Airfoil w/ vanes  
 40B(= 40" Airfoil w/o vanes  
 40W(= 40" Airfoil w/ vanes  
 ()= Isolator type:  
 1= Rubber in-Shear (RIS)  
 2= Spring  
 3= Spring w/ seismic restraints

### Code 22= Return Air Fan Motor

YYY= No Return Fan  
**E** **A** **Y**  
 Always Y  
 A= Open Drip-proof motor  
 E= High Eff. ODP motor  
 F= High Eff. VAV motor  
 G= Totally Enclosed motor (TEFC)  
 H= High Eff. Totally-Encl. (TEFC)  
 J= Premium Eff. ODP  
 K= Premium Eff. Totally-Encl. (TEFC)  
 E= 1.0 HP      K= 7.5 HP  
 F= 1.5 HP      L= 10.0 HP  
 G= 2.0 HP      M= 15.0 HP  
 H= 3.0 HP      N= 20.0 HP  
 J= 5.0 HP

### Code 23= Return Air Fan Drive Selection

YYYYY= No Return Air Fan  
**A**  
 Service Factor/Pitch Type  
 A= Std. SF/Fixed Pitch  
 B= 150% SF/Fixed Pitch  
 C= Std. SF/Variable Pitch  
 D= 150% SF/Variable Pitch

### Code 24= Frost Protection (Heat Recovery Only)

Y= None  
 F= Frost Protection Inverter

# Nomenclature

## Unit Code Index, Continued

### Code 25= Draw-Thru Filter Section

AA= Angular/Throwaway  
 AB= Angular/30% Throwaway  
 AC= Angular/30%/Intersept  
 AY= Angular/No Media  
 DA= Angular w/LO CFM Blender Throwaway  
 DB= Angular w/LO CFM Blender/30% Throwaway  
 DC= Angular w/LO CFM Blender/30%/Intersept  
 DY= Angular w/LO CFM Blender/No Media  
 EB= Angular w/Hi CFM Blender/30% Throwaway  
 EC= Angular w/Hi CFM Blender/30%/Intersept  
 EY= Angular w/Hi CFM Blender/No Media  
 FD= Low Flow Flat/65% Cartridge  
 FE= Low Flow Flat/95% Cartridge  
 FG= Low Flow Flat/95% Cartridge/Intersept  
 FY= Low Flow Flat/Rack Only  
 GD= Low Flow Flat w/LO CFM /65% Cartridge  
 GE= Low Flow Flat w/LO CFM /95% Cartridge  
 GG= Low Flow Flat w/LO CFM /95% Cartridge/Intersept  
 GY= Low Flow Flat w/LO CFM /Rack Only  
 HD= Low Flow Flat w/Hi CFM Blender/65% Cartridge  
 HE= Low Flow Flat w/Hi CFM Blender/95% Cartridge  
 HG= Low Flow Flat w/Hi CFM Blender/95% Cartridge/Intersept  
 HY= Low Flow Flat w/Hi CFM Blender/Rack Only  
 BY= Blank 22" Section- less Filters and Rack  
 CY= Blank 28" Section- less Filters and Rack

### Code 26= Blank Draw-thru Section

Y= None  
 S= Blank 40" Section  
 T= Blank 52" Section

### Code 27= Draw-Thru Coil Section

YYYY= None  
 BYYY= Unit preheat and cooling Coil with galvanized steel Drain Pan  
 BYYS= Unit preheat and cooling Coil with stainless steel Drain Pan  
 C\*YS= Unit cooling coil section w/stainless steel Drain Pan  
 C\*YY= Unit cooling coil section w/galvanized steel Drain Pan  
 (\*= CW valve pkg.: Y= None; E= 1.25"; F= 1.5"; G= 2"; H= 2.5")  
 DYYs= Stainless Steel Drain pan only (40" blank section)  
 DYYY= Galv. Steel Drain pan only (40" blank section)

A 8 M S = Contractor Coil  
 S= Stainless Drain Pan  
 Y= Galvanized Drain Pan  
 Y= No Face & Bypass Damper  
 M= Face & Bypass w/o actuator  
 Coil Fin Height  
 8= 12" 6= 18" 4= 24" 2= 30" Y= 36"  
 7= 15" 5= 21" 3= 27" 1= 33"  
 Always A

### Code 28= Draw-Thru Cooling Coil (2nd in airstream)

Draw-Thru Unit Cooling Coil  
 5Z 08 3 J  
 J= Aluminum fin C= Copper fin  
 3= 3 Row 5= 5 Row  
 4= 4 Row 6= 6 Row  
 08= 8 Fins-per-inch  
 10= 10 Fins-per-inch  
 12= 12 Fins-per-inch  
 5Z= Evap 5L, 5H or 5S= Chilled Water

CC1111= Blow-Thru Contractor Chilled Water Cooling Coil  
 CD1111= Blow-Thru Contractor Evap. Cooling Coil  
 CH1111= Blow-Thru Contractor Hot Water Cooling Coil  
 CS1111= Blow-Thru Contractor Steam Cooling Coil

### Code 29= Heating Coil (1st in airstream)

Unit Cooling Coil  
 5J 06 1 H  
 H or J= Aluminum fin C or K= Copper fin  
 1= 1 Row 2= 2 Row  
 06= 6 Fins-per-inch  
 09= 9 Fins-per-inch  
 12= 12 Fins-per-inch  
 5H or 5S= Hot Water 5J= Steam

CC2222= Blow-Thru Contractor Chilled Water Cooling Coil  
 CD2222= Blow-Thru Contractor Evap. Cooling Coil  
 CH2222= Blow-Thru Contractor Hot Water Cooling Coil  
 CS2222= Blow-Thru Contractor Steam Cooling Coil

### Code 30= Draw-Thru Blank Access Section

YYYYYY= None  
 BBBBBB= Blank access section 40"  
 W 11 D 3 E  
 E= Electric Actuator  
 Y= No Electric Actuator  
 2= 2 way Valve  
 3= 3 way Valve  
 Y= No Valve  
 D= 1" Valve  
 E= 1.25" Valve  
 F= 1.5" Valve  
 G= 2" Valve  
 Y= No Valve  
 11= 9 FPI 1 Row (HW) or 6 FPI 1 Row (ST)  
 12= 12 FPI 1 Row (ST)  
 22= 9 FPI 2 Row (HW) or 12 FPI 1 Row (ST)  
 W= Hot Water  
 S= Steam

# Nomenclature

## Unit Code Index, Continued

### Code 31= Supply Air Fan

06F()= 15" X 6" Forward Curved, w/o vanes  
 15F()= 15" X 15" Forward Curved, w/o vanes  
 20A()= 20" Airfoil, w/o vanes  
 20V()= 20" Airfoil, w/ vanes  
 24F()= 24" Forward Curved, w/o vanes  
 24M()= 24" Forward Curved, Medium Pressure, w/o vanes  
 24A()= 24" Airfoil, w/o vanes  
 24V()= 24" Airfoil, w/ vanes

()= Fan Isolators

1= Rubber in-Shear (RIS)  
 2= Spring  
 3= Spring w/Seismic Snubbers

### Code 32= Supply Air Fan Motor

E A Y  
 Always Y  
 A= Open Drip-proof motor  
 E= High Eff. ODP motor  
 G= Totally Enclosed motor (TEFC)  
 H= High Eff. Totally-Enclosed  
 J= Premium Eff. ODP Motor  
 K= Premium Eff. Totally-Enclosed

E= 1.0 HP	K= 7.5 HP
F= 1.5 HP	L= 10.0 HP
G= 2.0 HP	M= 15.0 HP
H= 3.0 HP	N= 20.0 HP
J= 5.0 HP	P= 25.0 HP

### Code 33= Supply Air Fan Drive Selection

A  
 Service Factor/Pitch Type  
 A= Std. SF/Fixed Pitch  
 B= 150% SF/Fixed Pitch  
 C= Std. SF/Variable Pitch  
 D= 150% SF/Variable Pitch

### Code 34= Blow Thru Heat Section

YYYYYY= No Section  
 BBBB= Blank 40" section

Gas Heat:

020 S R A  
 A= Low CFM Baffle Position  
 B= Medium CFM Baffle Position  
 C= High CFM Baffle Position

A= One Stage-Heat/Maximum gas pressure= 0.5 psi  
 B= One Stage-Heat/Maximum gas pressure= 2- 3 psi  
 C= One Stage-Heat/Maximum gas pressure= 5- 10 psi  
 E= Modulating Burner/Maximum gas pressure= 0.5 psi  
 R= Modulating Burner/with H.P. Regulator Range= 2- 3 psi  
 S= Modulating Burner/with H.P. Regulator Range= 5- 10 psi  
 H= Hi Turn Down Burner 20:1  
 T= Hi Turn Down Burner 20:1/with H.P. Regulator Range= 2- 3 psi  
 U= Hi Turn Down Burner 20:1/with H.P. Regulator Range= 5- 10 psi

S= Stainless Steel Heat Exchanger  
 A= Aluminized Steel Secondary Heat Exchanger

MBH (in 10's)  
 ex. 020= 200 MBH [020,025,032,040,050,064,065,079,080,100]

### Code 34= Blow Thru Heat Section (continued)

Electric Heat:

E 020 1 Y  
 Always Y  
 1= 1 Stage  
 2= 2 Stage  
 3= 3 Stage  
 KW (ex. 020= 20 KW)  
 E= Electric Heat

Hot Water or Steam Heat:

W 11 D 3 E  
 E= Electric Actuator  
 Y= No Actuator  
 2= 2- Way Valve (ST)  
 3= 3- Way Valve (HW)  
 D= 1.00" Valve  
 E= 1.25" Valve  
 F= 1.50" Valve  
 G= 2.00" Valve  
 11= 9 FPI 1 Row (HW) or 6 FPI 1 Row (ST)  
 12= 12 FPI 1 Row (ST)  
 22= 9 FPI 2 Row (HW)  
 W= Hot Water Heat  
 S= Steam Heat

### Code 35= Blow-Thru Unit Coil Section

YYYY= None  
 BYYY= Unit heating and cooling coil with galvanized steel Drain Pan  
 BYYS= Unit heating and cooling coil with stainless steel Drain Pan  
 C\*YS= Unit cooling coil section w/stainless steel Drain Pan  
 C\*YY= Unit cooling coil section w/galvanized steel Drain Pan  
 (\*= CW valve pkg.: Y= None; E= 1.25"; F= 1.5"; G= 2"; H= 2.5")  
 DYY= Stainless Steel Drain Pan only  
 DYYY= Galv. Steel Drain Pan only

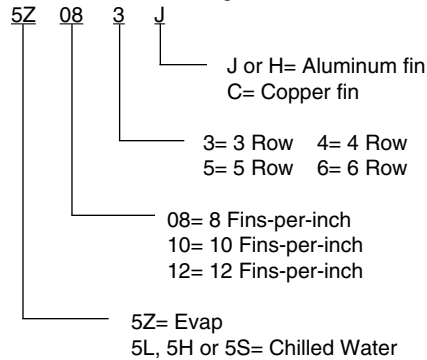
A 8 M S = Contractor Coil  
 S= Stainless Drain Pan  
 Y= Galvanized Drain Pan  
 Y= No Face & Bypass Damper  
 M= Face & Bypass Damper w/o Actuator  
 Finned Height  
 8= 12" 6= 18" 4= 24" 2= 30" Y= 36"  
 7= 15" 5= 21" 3= 27" 1= 33"  
 Always A

# Nomenclature

## Unit Code Index, Continued

### Code 36= Cooling Coil (2nd in airstream)

Draw-Thru Unit Cooling Coil



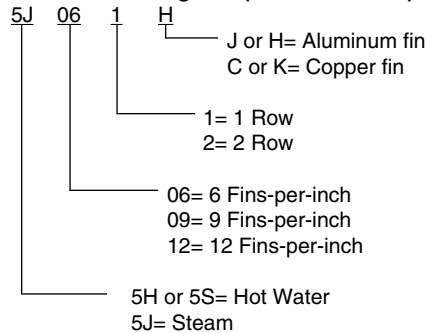
CC1111= Contractor Chilled Water Cooling Coil

CD1111= Contractor Evap. Cooling Coil

CH1111= Contractor Hot Water Cooling Coil

CS1111= Contractor Steam Cooling Coil

### Code 37= Heating Coil (1st in airstream)



CC2222= Contractor Chilled Water Cooling Coil

CD2222= Contractor Evap. Cooling Coil

CH2222= Contractor Hot Water Cooling Coil

CS2222= Contractor Steam Cooling Coil

### Code 38= Blow-Thru Blank Access Section

Y= None- No Section

B= Blank Section after Heat Section- 40" section

D= Blank Section after Heat Section- 52" section

### Code 39= Final Filter Section

Y= None

A= Flat filter section, 95% cartridge, 28" section

B= Flat filter section, 95% cartridge, 52" section

C= Blank- 28" section

D= Blank- 52" section

E= Flat filter section, 95% cartridge, 28" with Intersept

F= Flat filter section, 95% cartridge, 52" with Intersept

### Code 40= Discharge Plenum

BY= Bottom Discharge

BB= Bottom Discharge w/ Burglar Bars

BE= Bottom Discharge w/ Discharge Damper (VAV)

FY= Front Discharge

SY= Side Discharge (opposite control panel)

### Code 41= Blank Section- Out of Airstream

Y= None- No Section

2= 40" Blank Section- out of airstream

### Code 42= Capacity Control

2= 2 Steps

3= 3 Steps

4= 4 Steps

### Codes 43- 47= Not an RDS800- 802C item

### Code 48= IBC Siesmic Construction

Y= None

I= IBC Seismic Contruction

### Code 49= Supply and Return Fan Options

Y= None

A= SA Fan Belt Guard

B= SA Fan Section Light

C= A & B

D= SA & RA Fan Belt Guard

E= SA & RA Fan Section Light

F= D & E

### Code 50= Misc.

### Code 51= Packaging

### Code 52= Parts Warranty

### Code 53= Not an RDS800- 802C item

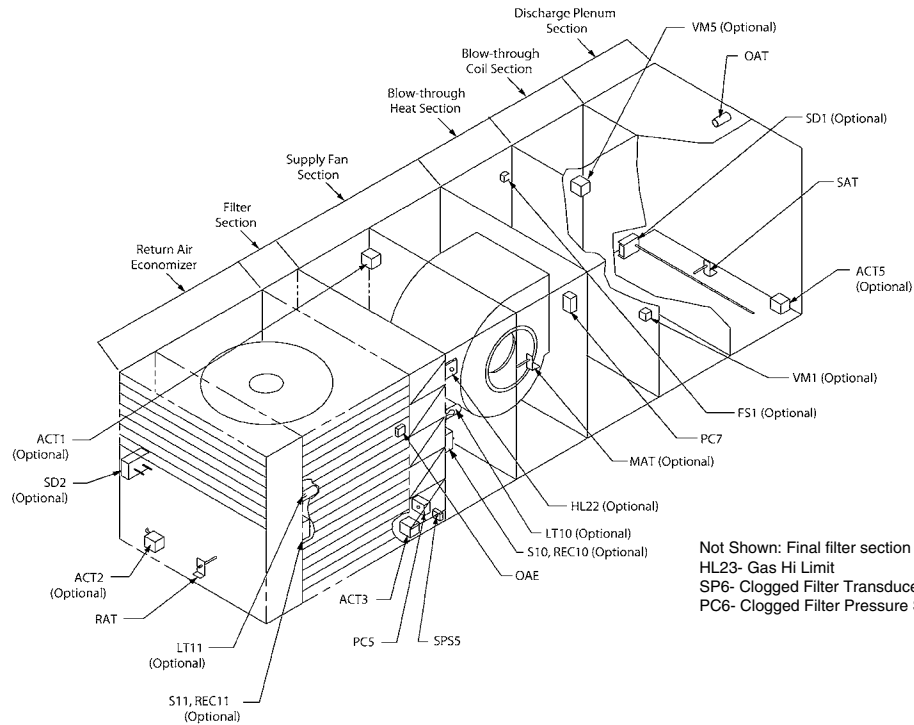
### Code 54= Heat Exchanger Warranty

# Nomenclature

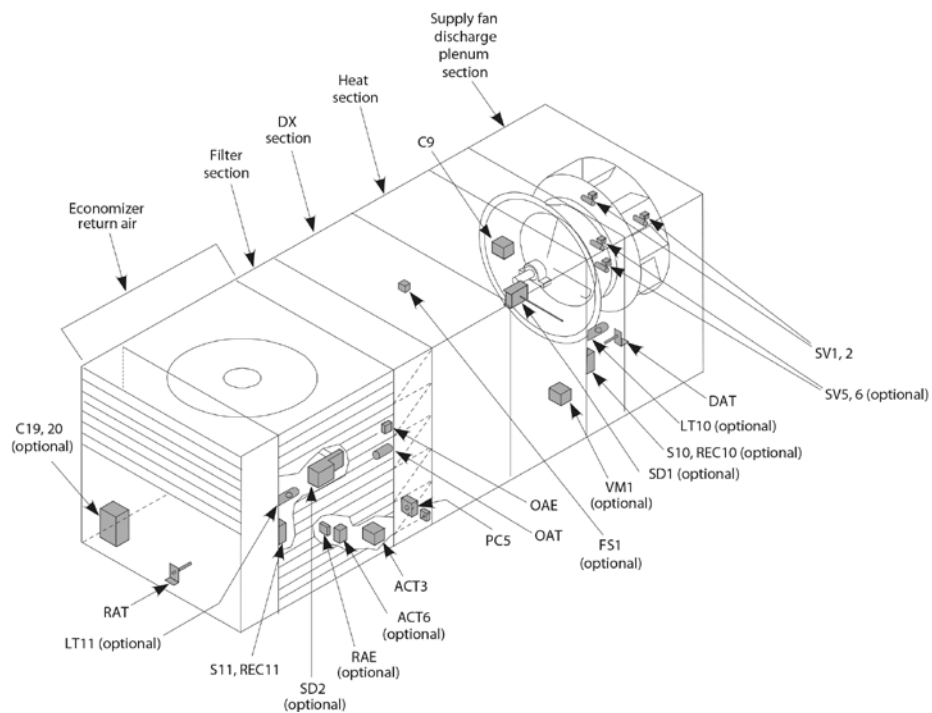
## Continued

### Control Locations <sup>1</sup>

#### MicroTech Equipped Units



#### MicroTech II OR III Equipped Units



<sup>1</sup> The Unit Section Layout Diagrams shown above are to be used only for reference. Sections and component locations may vary depending upon unit size, configuration, and options selected.

# Electrical Legend

Schematic Sym.	Description	Location
ACT1	Actuator Motor, Supply Fan Vanes	Supply Air Section
ACT2	Actuator Motor, Return Fan Vanes	Return Air Section
ACT3, 4	Actuator Motors, Economizer Dampers	Economizer Section
ACT5	Actuator Motor, Discharge Isolation Damper	Discharge Section
ACT6	Actuator Motor, Return Air Isolation Damper	Return Air Section
ACT7	Actuator Motor, Heat Face/Bypass	Coil Section, Heat
ACT8	Actuator Motor, Cool Face/Bypass	Coil Section, Cool
ACT 10, 11	Actuator Motors, Exhaust Dampers	Return Air Section
ACT12	Actuator Motor, Energy Recovery Bypass Damper	Return Air Section
ADI	ADI Board	Main Control Box
AFD10	Adjustable Frequency Drive (Inverter), Supply Fan	AFD or Supply Fan Sect.
AFD20	Adjustable Frequency Drive (Inverter), Return Fan	AFD or Supply Fan Sect.
AFD60	Adjustable Frequency Drive (Inverter), Heat Wheel	Energy Recovery Section
AS	Blower Air Switch	Furnace Section
BM	Burner Blower Motor	Furnace Section
C9, 10	Power Factor Capacitors, Supply Fan	Supply Air Section
C19, 20	Power Factor Capacitors, Return Fan	Return Air Fan
CB10	Circuit Breaker, Supply Fan	Main Control Box
CB20	Circuit Breaker, Return Fan	Main Control Box
CB60	Circuit Breaker, Heat Wheel	Main Control Box
CPC	Circuit Board, Main, MicroTech Controller	Main Control Box
CPR	Circuit Board, Expansion, Main Controller	Main Control Box
DAT	Discharge Air Temperature Sensor	Discharge section
DFLH	Design Flow Sensor, Left Hand	Return Section
DFRH	Design Flow Sensor, Right Hand	Return Section
DHL	Duct High Limit	Main Control Box
DS1	Disconnect, Total Unit	Main Control Box
DS2	Disconnect, SAF/RAF/Controls	Main Control Box
DS3	Disconnect, Electric Heat	Electric Heat Section
DS6	Disconnect, Unit Supplied 120V Power	Bulkhead
EAT	Exhaust Air Temperature Sensor	Return Air Section
EFT	Entering Air Temperature Sensor	Supply Fan Section
EHB1	Staged Electric Heat Board	Main Control Box
ERB1	Energy Recovery Board	Main Control Box
ERM1, 2	Energy Recovery Wheel Motors	Energy Recovery Section
EXPA, B, D	Expansion Board	Main Control Box
F1, 1A	Fuse, Control Circuit, T1 Primary	Main Control Box
F1C	Fuse, Control Circuit, T1 Secondary	Main Control Box
F2	Fuse, Control Circuit	Main Control Box
F3	Fuse, Burner Motor	Main Control Box
F4	Fuse, T4 Transformer	Main Control Box
F5	Fuse, UV Lights	Main Control Box
FB8	Fuseblock, Main Transformer	Main Control Box
FB9, 10	Fuseblocks, Supply Fan	Main Control Box
FB19, 20	Fuseblocks, Return Fan	Main Control Box
FB31- 40	Fuseblocks, Electric Heat (Top Bank)	Electric Heat Section
FB41- 50	Fuseblocks, Electric Heat (Bottom Bank)	Electric Heat Section
FD	Flame Detector	Furnace Section
FLC	Fan Limit Control	Furnace Section
FS1	Freezestat	Coil Section, Heat/Cool
FS2	Freezestat Control	Heat Section
FSG	Flame Safeguard	Furnace Section

## Electrical Legend Continued

Schematic Sym.	Description	Location
GCB1	Generic Condenser Board	Main Control Box
GFS1/GFR1	Ground Fault Sensor/Relay	Main Control Box
GRD	Ground	All Control Boxes
GV1	Gas Valve, Pilot	Furnace Section
GV2, 3	Gas Valves, Main	Furnace Section
GV4- 8	Gas Valve, Hi-Turn Down	Furnace Section
HL1- 10	High Limits, Elec. Heaters, Power (Top Bank)	Electric Heat Section
HL11- 20	High Limits, Elec. Heaters, Power (Bottom Bank)	Electric Heat Section
HL22	High Limit, Gas Heat (Prefilters)	Supply Air Section
HL23	High Limit, Gas Heat (Final Filter)	Final Filter Section
HL31- 40	High Limits, Elec. Heaters, Control (Top Bank)	Electric Heat Section
HL41- 50	High Limits, Elec. Heaters, Control (Bottom Bank)	Electric Heat Section
HP5	High Pressure Control, Gas	Furnace Section
HS1	Heat Switch, Electric, Shutdown	Main Control Box
HUM1	Humidistat Sensor	Energy Recovery Section
IT	Ignition Transformer	Furnace Section
LP5	Low Pressure Control, Gas	Furnace Section
LT2	Light, Furnace On	Furnace Section
LT3	Light, Pilot Gas Valve On	Furnace Section
LT4	Light, Main Gas Valve On	Furnace Section
LT10	Light, Supply Fan	Supply Air Section
LT11	Light, Return Fan	Return Air Section
LT12	Light, Heat Section	Heat Section
LT13	Light, Filter Section	Filter Section
LT14	Light, Final Filter Section	Final Filter Section
LT15	Light, Discharge Section	Discharge Section
LT16	Light, Blow-through Coil Section	Blow-thru Coil Section
LT17	Light, Evaporator Coil Section	Evaporator Coil Section
LT18	Light, Preheat Section	Preheat Section
LT19	Light, Blank Section	Blank Section
LT20	Light, Blank Section	Blank Section
M9, 10	Contactors, Supply Fan	Main Control Box
M19, 20	Contactors, Return Fan	Main Control Box
M29	Contactor, Burner Motor	Furnace Section
M30	Contactor, Supply Fan Inverter	Inverter Bypass Box
M31- 39	Contactors, Elec. Heaters (Top Bank)	Electric Heat Section
M40	Contactor, Return Fan Inverter	Inverter Bypass Box
M41- 50	Contactors, Elec. Heaters (Bottom Bank)	Electric Heat Section
MAT	Mixed Air Temperature Sensor	Supply Air Section
MCB	Microprocessor Control Board	Main Control Box
MCB1	Microprocessor Control Board #1	Main Control Box
MJ	Mechanical Jumpers	Terminal Blocks
MMP10	Manual Motor Protector, Supply Fan	Main Control Box
MMP20	Manual Motor Protector, Return fan	Main Control Box
MMP60	Manual Motor Protector, Energy Recovery Wheel	Energy Recovery Section
NB1, 2	Neutral Blocks	Main Control Box
OAE	Outside Air Enthalpy Control	Economizer Section
OAT	Outside Air Temperature Sensor	Discharge Bulkhead
OBA	Output Board A, Standard	Main Control Box
OBB	Output Board B, Cooling	Main Control Box

## Electrical Legend Continued

Schematic Sym.	Description	Location
OBC	Output Board C, Heating	Main Control Box
OL9, 10	Overload Relays, Supply Fan	Main Control Box
OL19, 20	Overload Relays, Return Fan	Main Control Box
PB1	Powerblock, Total Unit	Main Control Box
PB2	Powerblock, SAF/RAF/Controls	Main Control Box
PB3	Powerblock, Electric Heat	Electric Heat Section
PC5	Pressure Control, Clogged Filter	Filter Section
PC6	Pressure Control, Clogged Final Filter	Final Filter Section
PC7	Pressure Control, Proof of Airflow	Supply Air Filter
PM1	Phone Modem	Main Control Box
PVM1	Phase Voltage Monitor	Main Control Box
R20	Relay, Gas, Steam, Hot Water Heat	Main Control Box
R21, 22	Relays, Gas Heat	Furnace Section
R23	Relay, Gas Heat, Modulating Valve or Electric Heat	Furnace Sect./Elec. Ht. CB
R24	Relay, Gas Heat Alarm	Main Control Box
R25	Relay, Gas Heat Start, Supply Fan Inverter	Main Control Box
R26	Relay, Occupied/Unoccupied	Main Control Box
R27	Relay, Exhaust Dampers	Main Control Box
R28	Relay, Isolation Dampers	Main Control Box
R29	Relay, Remote Fire Alarm	Main Control Box
R30	Relay, Cool Valve w/ F&B	Main Control Box
R45	Relay, UV Lights	Main Control Box
R46, 47	Relays, Supply Fan Inverter increase/decrease	Main Control Box
R48, 49	Relays, Return fan Inverter increase/decrease	Main Control Box
R58, 59	Relays, Energy Recovey Wheel- Inverter	Main Control Box
R60	Relay, Energy Recovery Wheel- Enable	Main Control Box
R61	Relay, Smoke Detector- Discharge Air	Main Control Box
R63	Relay, Special	Main Control Box
R63	Relay, Duct Hi Limit	Main Control Box
R66	Relay, RA Smoke Detector	Main Control Box
R67	Relay, Supply Fan Enable	Main Control Box
R68	Relay, Return Fan Enable	Main Control Box
R69	Relay, Inverter Bypass VAV Box Interlock	Main Control Box
R70	Relays, Special	Main Control Box
R81- 88	Relays, Smoke	Main Control Box
RAE	Return Air Enthalpy Sensor	Return Air Section
RAT	Return Air Temperature Sensor	Return Air Section
REC1	Receptacle, Main Box	Main Control Box
REC10- 23	Receptacles, Cabinet Section	Cabinet Sections
S1	Switch, System On/Off	Main Control Box
S3	Switch, Furnace On/Off	Furnace Section
S4	Switch, Inverter Bypass On/Off	Main Control Box
S6	Switch, Return Fan Vanes Adjustment	Main Control Box
S7	Switch, Local On/Off/Auto to Controller	Main Control Box
S10- 22	Switches, Cabinet Section Lights	Cabinet Sections
S40- 45	Switches, Door Interlock, UV Lights	Cabinet Sections
SAT	Supply Air Temperature Sensor	Discharge Section
SB1	Staging Board #1, Cooling	Main Control Box
SB2	Staging Board #2, Heating	Main Control Box
SD1	Smoke Detector, Supply Air	Discharge Section
SD2	Smoke Detector, Return Air	Return Air Section



## Electrical Legend Continued

<b>Schematic Sym.</b>	<b>Description</b>	<b>Location</b>
SPS1, 2, 3	Static Pressure Sensors, Duct or Building	Main Control Box
SPS5	Static Pressure Sensor, Clogged Filter	Filter Section
SPS6	Static Pressure Sensor, Clogged Final Filter	Final Filter Section
SR1- 3	Sequence Relays, Electric Heat	Electric Heat Section
T1	Transformer, Main Control	Main Control Box
T2	Transformer, Unit 24V	Main Control Box
T3	Transformer, Controller, 18V	Main Control Box
T4	Transformer, Exhaust Dampers	Main Control Box
T5	Transformer, Electric Heat	Electric Heat Section
T6	Transformer, Unit Supplied 120V Power	Bulkhead
T7	Transformer, Gas Pilot Valve	Furnace Section
T8	Transformer, Gas Main Valve	Furnace Section
TB1	Terminal Block, 115V, Field	Main Control Box
TB2	Terminal Block, 24V, Field	Main Control Box
TB3	Terminal Block, Factory	Main Control Box
TB5	Terminal Block, 115V, Factory	Main Control Box
TB6	Terminal Block, 115V/24V, Factory	Main Control Box
TB7, 8	Terminal Block, 24V, Factory	Main Control Box
TB10	Terminal Block, Heating	Main Control Box
TB11	Terminal Block, Heating	Electric Heat Section
TB12, 13	Terminal Blocks, Electric Heat, Power	Electric Heat Section
TD9	Time Delay, Supply Fan Part Winding	Main Control Box
TD10	Time Delay, Hi-Turn Down Burner	Furnace Section
TD19	Time Delays, Return Fan Part Winding	Main Control Box
TD20	Time Delay,	Main Control Box
TR1, 2	Transducer, Pressure	Main Control Box
VM1	Valve Motor, Heating	Heating Section
VM5	Valve Motor, Cooling	Coil Section, Cool
VV1	Vent Valve	Furnace Section
ZNT1	Zone Temperature Sensor, Control	Field Installed
ZNT2- 5	Zone Temperature Sensors, Special	Field Installed

# Section A1- Outdoor/Return Air Section

## Notes



Primary Codes that pertain: 19, 20, 21, 22, 23

Additional Codes that pertain: 06, 09, 12, 14, 15, 16, 17, 49

Codes 19 and 20 determine the base section. Code 19 is the Return Air Plenum and determines if the unit has back/horizontal return air, bottom return air, left side return air, or side return air. A Return Air Plenum is required for any outdoor air application with an Economizer (Code 20= BE, BY, DE, DY, EE, EY, FE, FY, GE, GY). The only case in which a plenum is not required is when a 100% Outdoor Air Damper and Hood are ordered (Code 20= AE, AY).

Codes 21, 22, 23 determine the Return Air Fan, Motor and drives. These codes only pertain to units with a 0-100% Economizer (Code 20= DE, DY, EE, EY, FE, FY, GE, GY). The Return Air Fan section parts, the Fans, and fan Motors are listed in this section. **Drive components (Fan Sheave, Motor Sheave, V-belt(s), and Sheave Bushing(s) [if required]) are NOT listed as they are unique to the unit. If a drive component is required you may use the number from the part and cross reference it with the Drive Components Cross Reference, form number 571006, or contact Daikin Applied with model and serial number information for identification.** Outdoor/Return Air Fan Motors range from 1- 20 horsepower, and the Fan Wheels range from 15" Forward Curved to 40" Airfoil.

Code 06, insulation and liners, influences the final cabinet assembly panel part numbers. **For sheet metal components that make up the Outdoor/Return Air Section, contact Daikin Applied with model and serial number information to ensure correct liners, insulation and hardware are ordered.**

Code 09, the voltage, is part of the Return Air Motor part number identification.

Code 12, the control system, comes into play when an Economizer is present. The Economizer comes with an Actuator Motor on any MicroTech unit (Code 12= 1M, 2M, 4M, 5M [MicroTech] OR \*D, \*S, \*E, \*F [MicroTech II or MicroTech III]), but MAY OR MAY NOT come with a factory supplied Actuator if the unit has controls by others (Code 12= YM, YC).

Code 14 determines if the Return Fan has an Inverter, or Variable/Adjustable frequency drive (VFD/AFD). If Code 14 equals 1- 9 (or X for units built prior to 2003), then the unit has inverters, and cannot, therefore have Fan Wheels with Variable Inlet Vanes (VIV). Note that the VIV option was not offered after mid 2004.

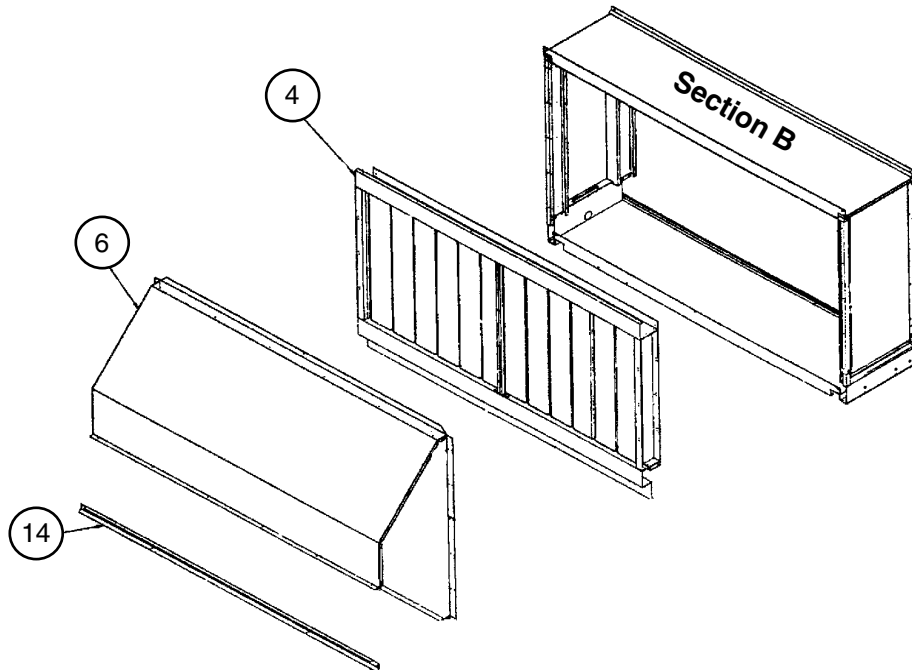
Code 15, determines if Variable Inlet Vanes (VIV) are present (Code 15= 2, 4), or what type of Inverter was ordered, or if the Inverter was field supplied and controlled by the MicroTech controller. Variable Inlet Vanes were not offered after mid 2004.

Code 16 determines if a Smoke Detector is located in the Return Air Cabinet. If Code 16= 1, 3, a Smoke Detector (SD2) is present.

Code 17 determines the type of Enthalpy and Miscellaneous Auxiliary Controls included. The second digit of Code 17 lists the inclusion of Freezstats, Phase Failure, Line Reactors, and Ground Fault protection. See the Unit Code Index section to determine which options were specified.

Code 49 determines if the Return Air Cabinet has a Light, Switch, and Receptacle (Code 49= B, E), Fan Belt Guards (Code 49= D) OR both (Code 49= F).

# **Section A1- Outdoor/Return Air Section** **100% Outside Air Damper with Hood** **Code 20= AE, AY AND Code 19= YY** **No Return Air Plenum**



Ref No.	Part Description	Actuator		Qty.
		C20= AE	C20= AY	
4	Damper Assy. Complete	<sup>1</sup>	<sup>2</sup>	1
	Damper Assy. Only	098313601	098313601	1
6	Hood	058440303	058440303	1
14	Channel	058436501	058436501	1

<sup>1</sup> This Damper Assy. includes the Damper, Damper Linkage, and Actuator. For Damper Assy. components see the following page. For COMPLETE Damper Assembly p/ns contact Daikin Applied with model and serial number information so that the correct assembly can be identified.

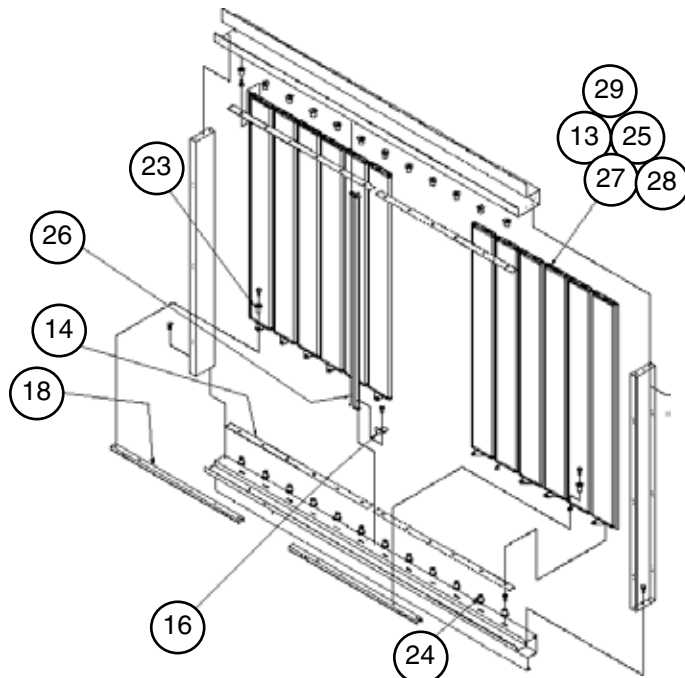
<sup>2</sup> This Damper Assy. includes the Damper and Damper Linkage, but NO Actuator. For Damper Assy. components see the following page. For COMPLETE Damper Assembly p/ns contact Daikin Applied with model and serial number information so that the correct assembly can be identified.

# Section A1- Outdoor/Return Air Section

100% Outside Air Damper with Hood

Code 20= AE, AY AND Code 19= YY

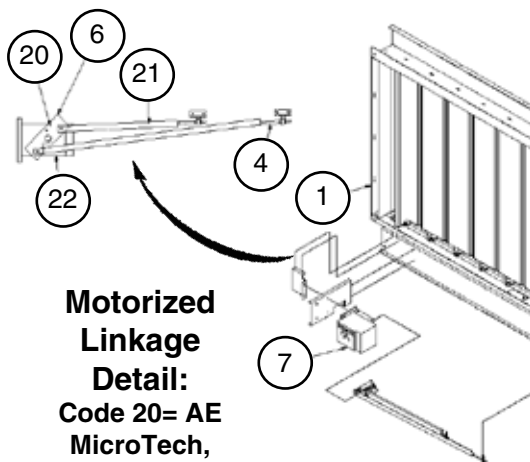
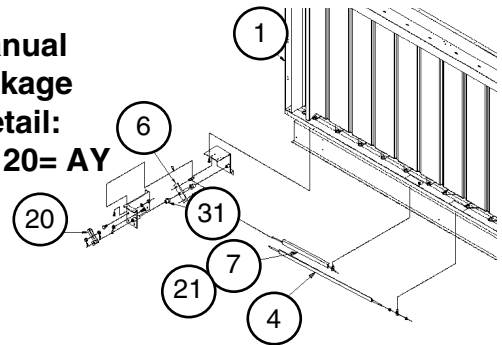
Damper Diagrams



**Damper Assy. (Ref # 1)**

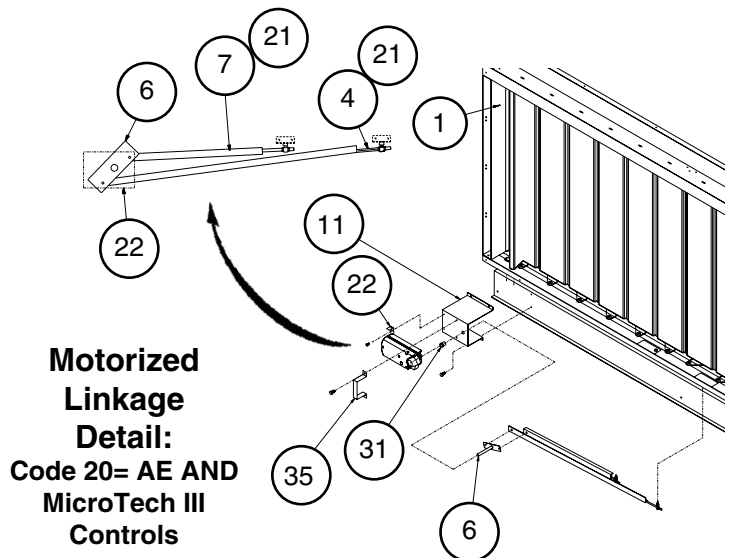
**Manual  
Linkage  
Detail:**

**Code 20= AY**



**Motorized  
Linkage  
Detail:**

**Code 20= AE  
MicroTech,  
MicroTech II, OR  
No Controls**



**Motorized  
Linkage  
Detail:**

**Code 20= AE AND  
MicroTech III  
Controls**

# Section A1- Outdoor/Return Air Section

## 100% Outside Air Damper with Hood

### Code 20= AE, AY AND Code 19= YY

### Damper Components

Ref. No.	Part Description	Actuator: ACT 3		Qty.
		C20= AE	C20= AY	
1	Damper Assy.	098313601	098313601	1
4	Linkage Rod	067012700	067012700	1
6	Crank Arm Operator (Code 12= 1M- 5M, *D, *S, Y*)	046448600 <sup>1</sup>	Not Used	1
	Arm Shaft (Code 12= *E, *F)	Not Used <sup>1</sup>	065371301	1
7	Linkage Rod	067012800	067012800	1
11	Actuator- Support	403699401	Not Used	1
13	Blade- Damper	044195101	044195101	12
14	Damper Seal	055616401	055616401	4
16	Stop-Anti Rotate, Damper	065779801	065779801	2
18	Linkage Bar	047149800	047149800	2
20	Crank Arm	023680400	025072600	1
21	Ball Joint- Damper	000887000	000887000	4
22	Actuator- Motor-120V (Code 12= 1M- 5M, *D, *S, Y*)	066534807 <sup>1</sup>	Not Used	1
	Actuator- Motor, 24V (Code 12= *E, *F)	113139601 <sup>1</sup>	Not Used	1
23	Bushing- Linkage Bar, Nylon	046098300	046098300	12
24	Bushing- Damper Blade, Nylon	043730400	043730400	24
25	Gasket- Vinyl	044193114	044193114	12
26	Gasket	045655714	046555714	1
27	Plug- Damper End	041003501	041003501	12
28	Plug- Damper End	041003502	041003502	6
29	Plug- Damper End	041003503	041003503	6
31	Lock Collar (Code 12= 1M- 5M, *D, *S, Y*)	Not Used <sup>1</sup>	049115902	2
	Bearing- Flange Sleeve (Code 12= *E, *F)	047138504 <sup>1</sup>	Not Used	1
35	Retainer Bracket (Code 12= *E, *F)	403633801 <sup>1</sup>	Not Used	1

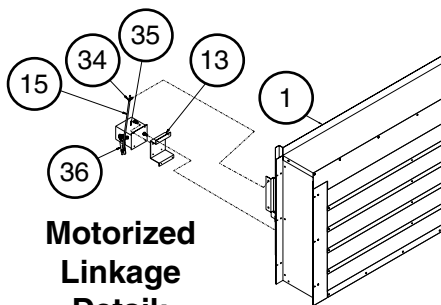
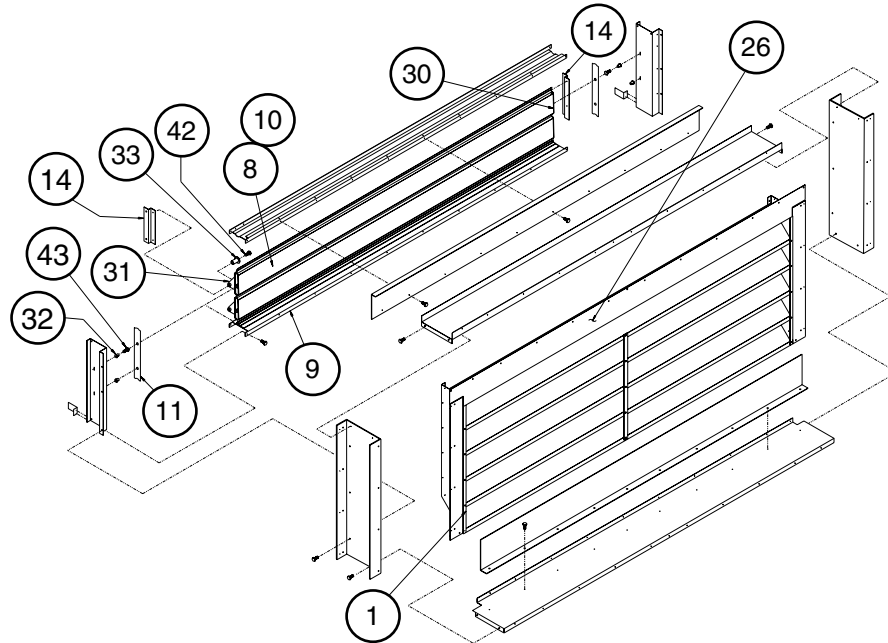
<sup>1</sup> Note that in the beginning of 2008, a change was made from a 120V Actuator to a 24V Actuator for MOST units. Confirm Actuator voltage required BEFORE ordering an Actuator (Ref #22) AND/OR Ref #s: 6, 31, 35.

# Section A1- Outdoor/Return Air Section

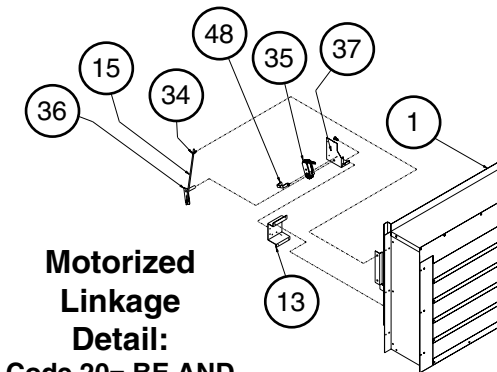
0- 30% Outside Air Section

Code 20= BE, BY AND Code 19= BY, HY

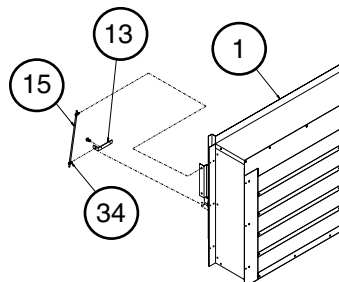
Damper Diagrams



**Motorized  
Linkage  
Detail:**  
Code 20= BE AND  
MicroTech,  
MicroTech II, OR  
No Controls



**Motorized  
Linkage  
Detail:**  
Code 20= BE AND  
MicroTech III  
Controls



**Linkage Detail  
Without Actuator:**  
Code 20= BY

# Section A1- Outdoor/Return Air Section

## 0- 30% Outside Air Section

### Code 20= BE, BY AND Code 19= BY, HY

### Damper Components

Ref. No.	Part Description	Actuator: ACT 3		Qty.
		C20= BE	C20= BY	
	Complete Assembly	<sup>1</sup>	058440322 <sup>2</sup>	1
1	Damper Assy. Only	098314101 <sup>3</sup>	098314101 <sup>3</sup>	1
8	Damper Blade	044193213	044193213	2
9	Gasket	055940213	055940213	1
10	Gasket	044193132	044193132	2
11	End Seal	058456701	058456701	2
13	Motor Support	058456501	Not Used	1
	Rod Support Angle	Not Used	055608601	1
14	Linkage Bar	058456601	058456601	1
15	Shaft Linkage	055536606	055536606	1
26	Exhaust Louver	096170531	096170531	1
	Screen Only	058434301	058434301	1
30	End Plug	041003505	041003505	2
31	End Plug	041003506	041003506	2
32	Bushing	043730400	043730400	4
33	Bushing	046098300	046098300	4
34	Ball Joint	000887000	000887000	2
35	Actuator Motor- 120V (Code 12= 1M- 5M, *D, *S, Y*)	066534807 <sup>4</sup>	Not Used	1
	Actuator Motor- 24V (Code 12= *E, *F)	113139601 <sup>4</sup>	Not Used	1
36	Damper Crank Arm (Code 12= 1M- 5M, *D, *S, Y*)	023680400 <sup>4</sup>	Not Used	1
	Damper Crank Arm (Code 12= *E, *F)	403666401 <sup>4</sup>	Not Used	1
37	Mounting Plate (Code 12= *E, *F)	403667001 <sup>4</sup>	Not Used	1
48	Retainer- Actuator (Code 12= *E, *F)	403633801 <sup>4</sup>	Not Used	1

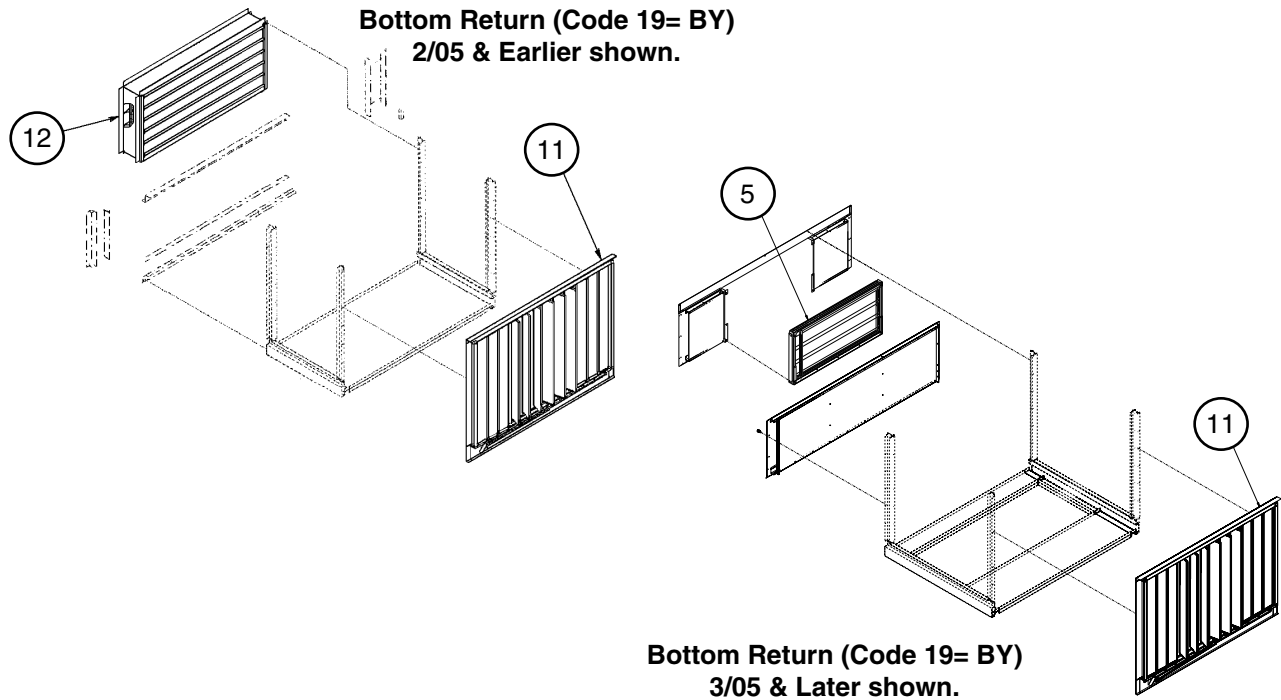
<sup>1</sup> This Damper Assy. includes the Damper, Damper Linkage, AND Actuator. For COMPLETE Damper Assembly p/ns contact Daikin Applied with model and serial number information so that the correct assembly can be identified.

<sup>2</sup> This Damper Assy. includes the Damper and Damper Linkage, but NO Actuator OR Actuator Linkage.

<sup>3</sup> This Damper Assy. includes the Damper only, NO Damper Linkage, Actuator, OR Actuator Linkage.

<sup>4</sup> Note that in the beginning of 2008, a change was made from a 120V Actuator to a 24V Actuator for MOST units. Confirm Actuator voltage required BEFORE ordering an Actuator (Ref #22) AND/OR Ref #s: 35, 36, 37, 48.

**Section A1- Outdoor/Return Air Section**  
**0- 100% Economizer Section w/ Barometric Exhaust Damper**  
**Units w/o Return Air Fans**  
**Code 20= DE, DY, EE, EY, FE, FY, GE, GY AND Code 21= YYYY**



Ref No.	Part Description	Part Number	Qty.
11	Economizer Damper		
	w/Act.(Code 20= *E)	1	1
	w/o Act. (Code 20= *Y)	2	1
	Exhaust Damper Assy.		
12	2/05 & Earlier	058440341	1
5	3/05 & Later	112039627	1
N/S	Exhaust Louver	096170531	1
	Louver Screen only	058434301	1

N/S= Not Shown on diagram.

<sup>1</sup> This Damper Assy. includes the Damper, Damper Linkage, and Actuator. For Damper Assy. components see three pages after next. For COMPLETE Damper Assembly p/ns contact Daikin Applied with model and serial number information so that the correct assembly can be identified.

<sup>2</sup> This Damper Assy. includes the Damper and Damper Linkage, but NO Actuator. For Damper Assy. components see three pages after next. For COMPLETE Damper Assembly p/ns contact Daikin Applied with model and serial number information so that the correct assembly can be identified.



# Section A1- Outdoor/Return Air Section

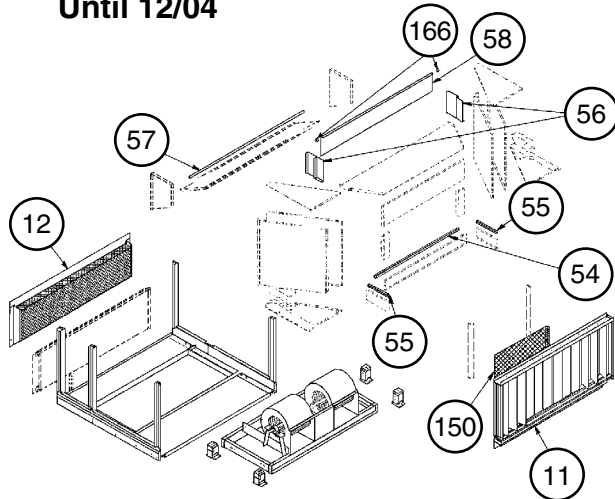
## 0 - 100% Economizer Section w/ Exhaust Damper

### Units with 15" Forward Curved Return Air Fans

Code 20= DE, DY, EE, EY, FE, FY, GE, GY AND Code 21= 15\*\*

### Unit Size RDS800C only

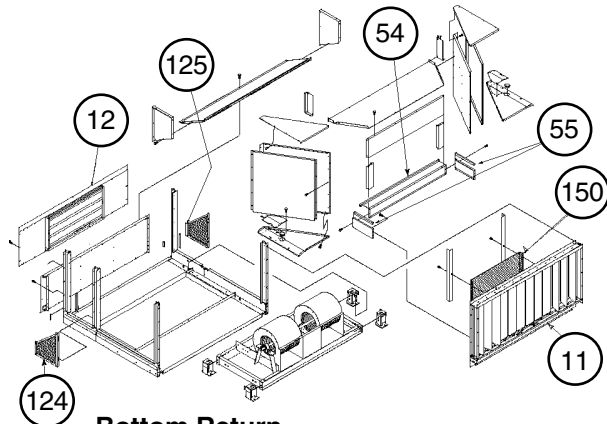
Until 12/04



**Bottom Return**  
(Code 19= BY, BB, BE) shown.

Ref No.	Part Description	Part Number	Qty.
11	0- 100% Economizer		
	w/act. (Code 20= DE) <sup>1</sup>	058440311	1
	w/o act. (Code 20= DY) <sup>2</sup>	058440312	1
12	Exhaust Louver		
	Until 5/00	058440331	1
	5/00 & Later	096170531	1
	Louver Screen Only	058434301	1
54	Gasket	023530463	1
55	Gasket	023530416	1
56	Gasket	020717911	1
57	Gasket	020717984	1
58	Exhaust Damper	058440353	1
150	Deflection Screen	046446600	1
166	Flange Bearing	001113500	2
N/S	Belt Guard- LH <sup>4</sup>	058440381	1
N/S	Belt Guard- RH <sup>4</sup>	058440382	1

12/04 & Later



**Bottom Return**  
(Code 19= BY, BB) shown.

Ref No.	Part Description	Part Number	Qty.
11	0- 100% Economizer		
	w/act. (Code 20= DE)	<sup>3</sup>	1
	w/o act. (Code 20= DY) <sup>2</sup>	058440312	1
12	Damper Assy		
	Barometric (C20= DE,DY,FE,FY)	058440310	1
	Power (C20= EE,EY,GE,GY)	058440320	1
	Damper Only	112039627	1
54	Gasket	023530463	1
55	Gasket	023530416	2
124	Belt Guard- LH <sup>4</sup>	058876301	1
125	Belt Guard- RH <sup>4</sup>	058876302	1
150	Deflection Screen	046446600	1

N/S= Not Shown on diagram.

<sup>1</sup> This Damper Assy. includes the Damper, Damper Linkage, and Actuator. For Damper Assy. components see two pages after next.

<sup>2</sup> This Damper Assy. includes the Damper and Damper Linkage, but NO Actuator. For Damper Assy. components see two pages after next.

<sup>3</sup> This Damper Assy. includes the Damper, Damper Linkage, and Actuator. For Damper Assy. components see two pages after next. For COMPLETE Damper Assembly p/ns contact Daikin Applied with model and serial number information so that the correct assembly can be identified.

<sup>4</sup> Code 49= D, F.

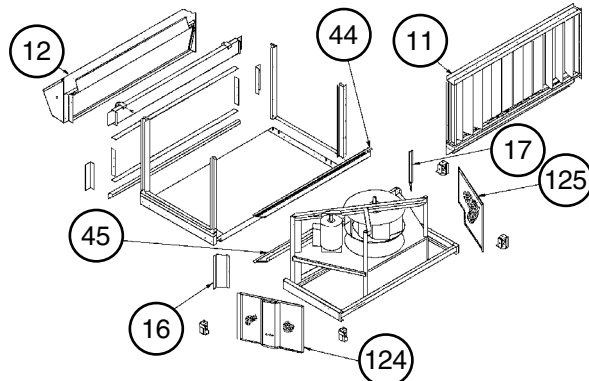
# Section A1- Outdoor/Return Air Section

## 0- 100% Economizer Section w/ Exhaust Damper

### Units with 30" Air Foil Return Air Fans

**Code 20= DE, DY, EE, EY, FE, FY, GE, GY AND Code 21= 30\*\***

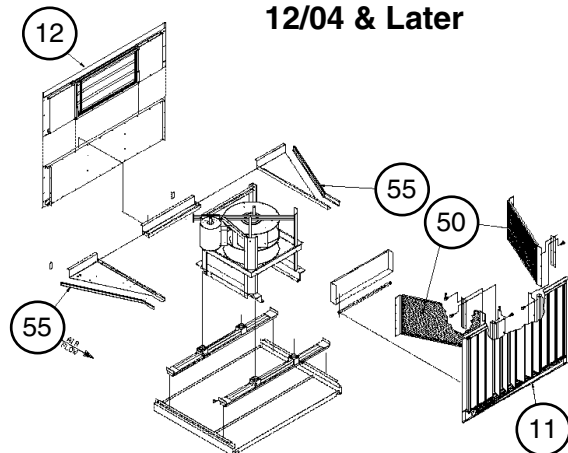
**Until 12/04**



**Back Return (Code 19= HY) shown.**

Ref No.	Part Description	Part Number	Qty.
11	0- 100% Economizer		
	w/act. (Code 20= DE) <sup>1</sup>	058440311	1
	w/o act. (Code 20= DY) <sup>2</sup>	058440312	1
12	Exhaust Damper Assy	058440361	1
	Damper Blade only	058497701	1
	Grille- Damper Hood	058560701	1
	Gasket- Blade	020717938	1
16	Gasket- Retainer <sup>3</sup>	058582004	1
17	Gasket- Retainer <sup>3</sup>	058582003	1
44	Gasket- Retainer <sup>3</sup>	058582006	1
45	Gasket- Retainer <sup>3</sup>	058582005	1
124	Belt Guard- LH <sup>5</sup>	059864401	1
125	Belt Guard- RH <sup>5</sup>	059864402	1

**12/04 & Later**



**Bottom Return (Code 19= BY, BB) shown.**

Ref No.	Part Description	Part Number	Qty.
11	0- 100% Economizer		
	w/act. (Code 20= DE)	<sup>4</sup>	1
	w/o act. (Code 20= DY) <sup>2</sup>	058440312	1
12	Damper Assy		
	Barometric (C20= DE,DY,FE,FY)	058440310	1
	Power (C20= EE,EY,GE,GY)	058440320	1
	Damper Only	112039627	1
50	Belt Guard <sup>5</sup>	058400888	2
55	Gasket	055921422	2

N/S= Not Shown on diagram.

<sup>1</sup> This Damper Assy. includes the Damper, Damper Linkage, and Actuator. For Damper Assy. components see one page after next.

<sup>2</sup> This Damper Assy. includes the Damper and Damper Linkage, but NO Actuator. For Damper Assy. components see one page after next.

<sup>3</sup> Not applicable for units with Bottom Return (Code 19= BY, BB).

<sup>4</sup> This Damper Assy. includes the Damper, Damper Linkage, and Actuator. For Damper Assy. components see one page after next. For COMPLETE Damper Assembly p/ns contact Daikin Applied with model and serial number information so that the correct assembly can be identified.

<sup>5</sup> Code 49= D, F.

# Section A1- Outdoor/Return Air Section

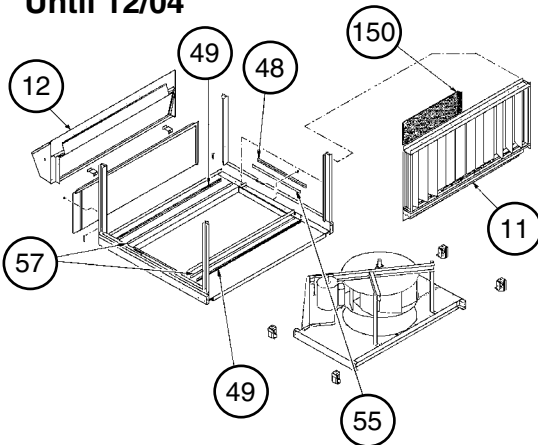
## 0- 100% Economizer Section with Exhaust Damper

### Units with 40" Air Foil Return Air Fans

Code 20= DE, DY, EE, EY, FE, FY, GE, GY AND Code 21= 40\*\*

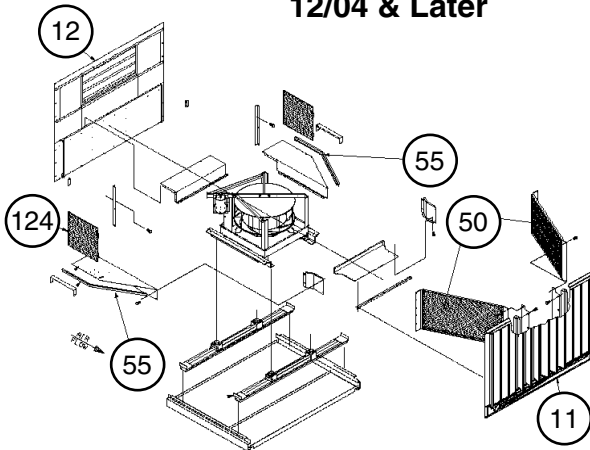
### Unit Size RDS802C only

Until 12/04



Ref No.	Part Description	Part Number	Qty.
11	0- 100% Economizer		
	w/act. (Code 20= DE) <sup>1</sup>	058440311	1
	w/o act. (Code 20= DY) <sup>2</sup>	058440312	1
12	Exhaust Damper Assy	058440371	1
	Damper Blade only	058451901	1
	Grille- Damper Hood	038238001	1
	Gasket- Blade	020717987	1
	Gasket- Blade Ends	020717920	2
48	Gasket- Retainer	058594701	1
49	Gasket- Retainer	058594601	1
55	Gasket	055582601	2
57	Gasket	055582601	1
150	Deflection Screen	046446600	1
N/S	Belt Guard- Small <sup>4</sup>	058440383	2
N/S	Belt Guard- Large <sup>4</sup>	058400888	2

12/04 & Later



Ref No.	Part Description	Part Number	Qty.
11	0- 100% Economizer		
	w/act. (Code 20= DE)	<sup>3</sup>	1
	w/o act. (Code 20= DY)	058440312	1
12	Damper Assy		
	Barometric (C20= DE,DY,FE,FY)	058440314	1
	Power (C20= EE,EY,GE,GY)	058440324	1
	Damper Only	112039627	1
50	Belt Guard <sup>4</sup>	058400888	2
55	Gasket	055921422	2
124	Fan Guard <sup>4</sup>	058440384	2

N/S= Not Shown on diagram.

<sup>1</sup> This Damper Assy. includes the Damper, Damper Linkage, and Actuator. For Damper Assy. components see the following page.

<sup>2</sup> This Damper Assy. includes the Damper and Damper Linkage, but NO Actuator. For Damper Assy. components see the following page.

<sup>3</sup> This Damper Assy. includes the Damper, Damper Linkage, and Actuator. For Damper Assy. components see the following page. For COMPLETE Damper Assembly p/ns contact Daikin Applied with model and serial number information so that the correct assembly can be identified.

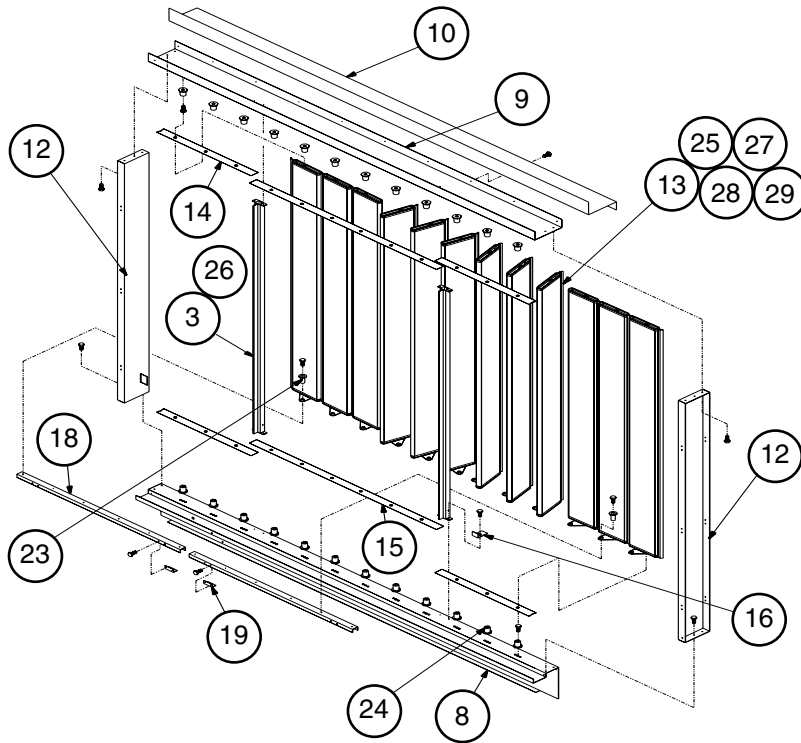
<sup>4</sup> Code 49= D, F.

# Section A1- Outdoor/Return Air Section

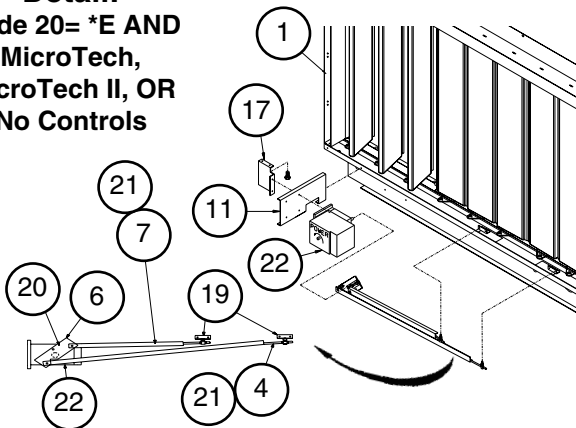
## 0- 100% Economizer Damper Assembly

Code 20= DE, DY, EE, EY, FE, FY, GE, GY

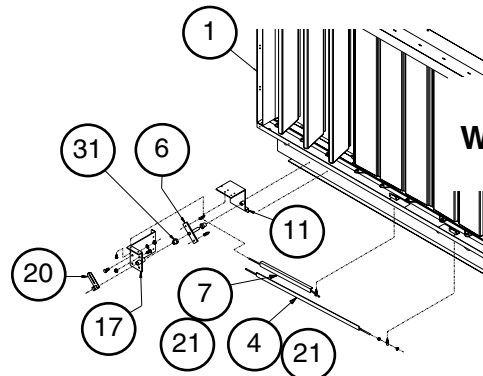
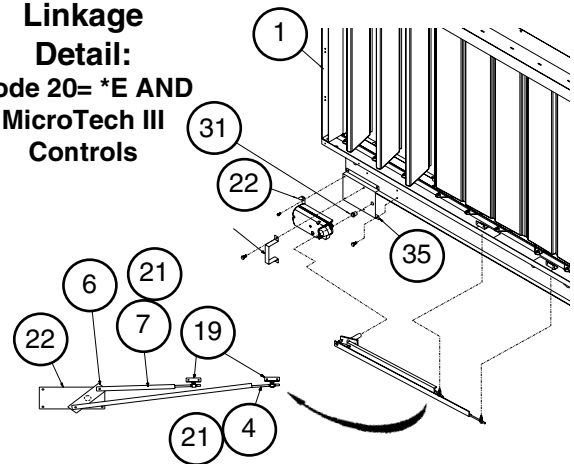
### Diagram



**Motorized Linkage Detail:**  
Code 20= \*E AND MicroTech, MicroTech II, OR No Controls



**Motorized Linkage Detail:**  
Code 20= \*E AND MicroTech III Controls



**Linkage Detail Without Actuator:**  
Code 20= \*Y

# Section A1- Outdoor/Return Air Section

## 0- 100% Economizer Assembly

### Code 20= DE, DY, EE, EY, FE, FY, GE, GY

### Components

Ref No.	Part Description	Actuator: ACT 4		Qty.
		C20= *E	C20= *Y	
	Complete Assembly	<sup>1</sup>	058440312 <sup>2</sup>	1
1	Damper Assembly Only	098312801 <sup>3</sup>	098312801 <sup>3</sup>	1
3	Channel	058440313	058440313	1
4	Linkage Rod (Code 12= 1M- 5M, *D, *S, Y*)	067012700 <sup>4</sup>	067012700	1
	Linkage Rod (Code 12= *E, *F)	112977101 <sup>4</sup>	Not Used	1
6	Crank Arm Operator (Code 12= 1M- 5M, *D, *S, Y*)	046448600 <sup>4</sup>	Not Used	1
	Arm Shaft (Code 12= *E, *F)	066302059 <sup>4</sup>	Not Used	1
	Arm Shaft	Not Used	065371301	1
7	Linkage Rod (Code 12= 1M- 5M, *D, *S, Y*)	067012800 <sup>4</sup>	067012800	1
	Linkage Rod (Code 12= *E, *F)	112977401 <sup>4</sup>	Not Used	1
8	Bottom Support	058448201	058448201	1
9	Top Support	058448401	058448401	1
10	Block Off	058449601	058449601	1
11	Motor Mount (Code 12= 1M- 5M, *D, *S, Y*)	060063301 <sup>4</sup>	Not Used	1
	Motor Mount (Code 12= *E, *F)	403633801 <sup>4</sup>	Not Used	1
	Rear Bearing Support	Not Used	066002101	1
12	Side Support	058448301	058448301	2
13	Damper Blade	044195101	044195101	12
14	Outside Seal	043734500	043734500	4
15	Center Seal	043734400	043734400	2
16	Damper Stop	065779801	065779801	4
17	Motor Support Brkt. (Code 12= 1M- 5M, *D, *S, Y*)	058411302 <sup>4</sup>	Not Used	1
	Front Bearing Supp.	Not Used	066002201	1
18	Linkage Bar	044194800	044194800	2
19	Linkage Bar	044194900	044194900	2
20	Crank Arm (Code 12= 1M- 5M, *D, *S, Y*)	023680400 <sup>4</sup>	025072600	1
21	Ball Joint	000887000	000887000	4
22	Actuator Motor- 120V (Code 12= 1M- 5M, *D, *S, Y*)	066534807 <sup>4</sup>	Not Used	1
	Actuator Motor- 24V (Code 12= *E, *F)	113139601 <sup>4</sup>	Not Used	1
23	Bushing	046098300	046098300	12
24	Bushing	043730400	043730400	24
25	Gasket	044193114	044193114	12
26	Gasket	045655714	045655714	2
27	End Plug	041003501	041003501	12
28	End Plug	041003502	041003502	6
29	End Plug	041003503	041003503	6
31	Collar	Not Used	049115902	2

N/S= Not Shown on diagram.

<sup>1</sup> This Damper Assy. includes the Damper, Damper Linkage, and Actuator. For COMPLETE Damper Assembly p/ns contact Daikin Applied with model and serial number information so that the correct assembly can be identified.

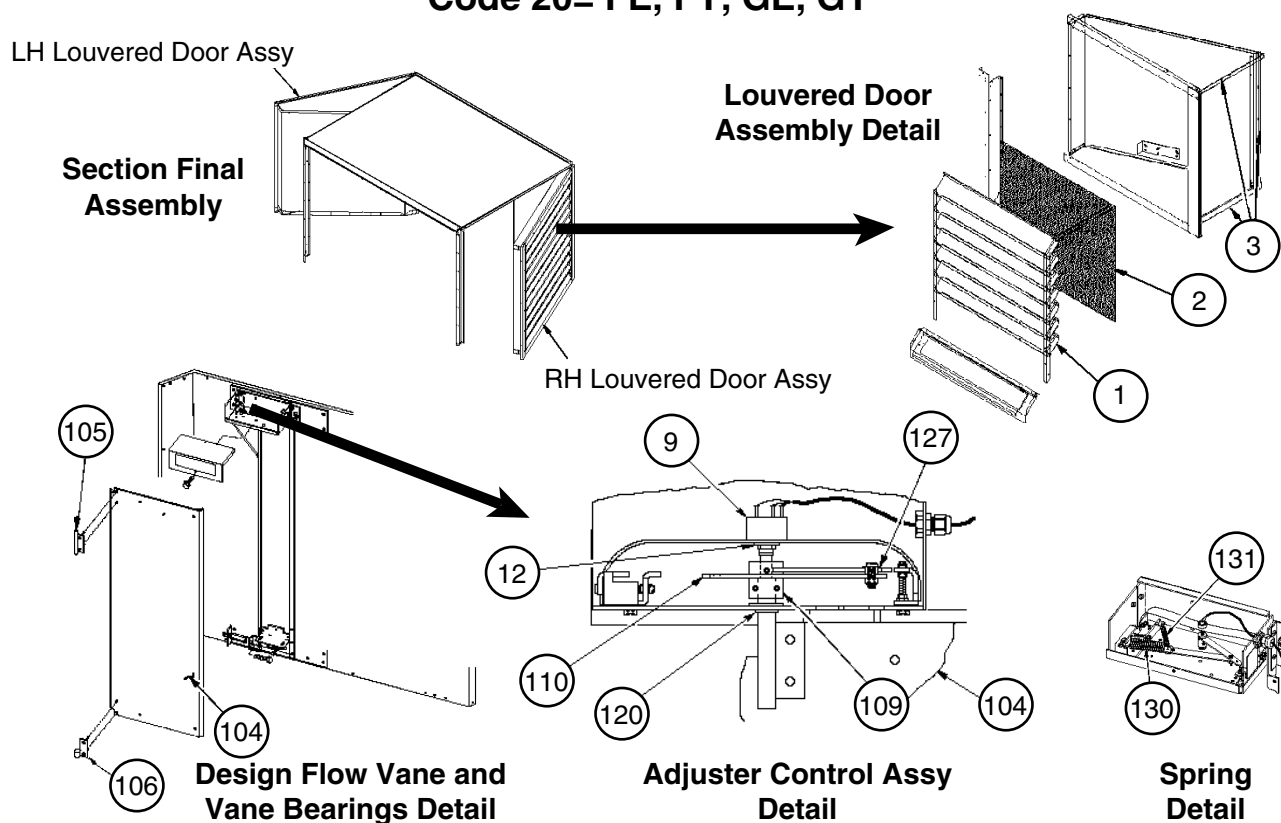
<sup>2</sup> This Damper Assy. includes the Damper and Damper Linkage, but NO Actuator.

<sup>3</sup> This Damper Assy. includes the Damper Only, with NO Damper Linkage, Actuator Linkage, OR Actuator.

<sup>4</sup> Note that in the beginning of 2008, a change was made from a 120V Actuator to a 24V Actuator for MOST units. Confirm Actuator voltage required BEFORE ordering an Actuator (Ref #22) AND/OR Ref #s: 4, 6, 7, 11, 17, 20.

# Section A1- Outdoor/Return Air Section

Design Flow Detail  
Code 20= FE, FY, GE, GY



Ref No.	Part Description	Part Number	Qty.
1	Louver Panel-		
	Units with no Return Fan (40" Door) Left Hand Door	058410204	7
	Units with no Return Fan (40" Door) Right Hand Door	058410203	7
	Units with 30", 40" Return Fan (52" Door) Left Hand Door	058410104	7
	Units with 30", 40" Return Fan (52" Door) Right Hand Door	058410103	7
2	Grille-		
	Units with no Return Fan (40" Door)	058410401	1
	Units with 30", 40" Return Fan (52" Door)	058564001	1
3	Gasket	026172804	3
9	Potentiometer	098663701	1
12	O'Ring- Potentiometer	098663801	1
104	Panel- Vane	098661801	1
105	Shaft- Upper	098662601	1
106	Bearing- Lower	091634501	1
109	Crank Arm Assy Left Hand Door	091658802	1
	Crank Arm Assy Right Hand Door	091658801	1
110	Link Arm	<sup>1</sup>	1
120	Bearing	060014201	1
127	Bearing	047138535	1
130	Spring- Main	098664801	1
131	Spring- Secondary	098664901	1
N/S	Leveling Kit- Design Flow	091659301	1

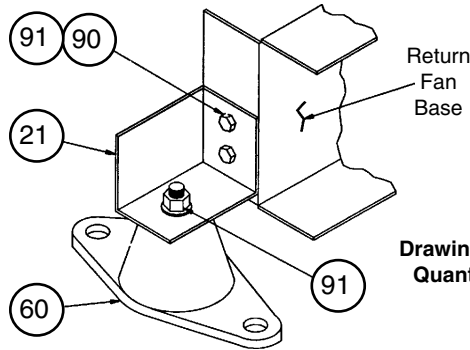
<sup>1</sup> P/N is unit specific. Contact Daikin Applied with overall length and bolt hole spacing so that the correct part can be identified.

# Section A1- Outdoor/Return Air Section

## Return Air Fan Mounting- 15" Forward Curved Fan

### Code 21= 15F1, 15F2, 15F3

#### Rubber-In-Shear Code 21= 15F1

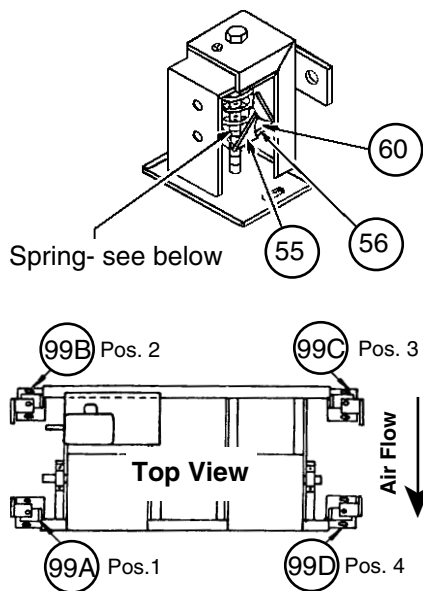


Rubber Mount Detail: All four corners are the same.

Ref No.	Part Description	Part Number	Qty.
21	Support Angle	035205200	1
60	Isolator- RP- 3 Red	021639701	1
90	Screw	040499501	2
91	Nut	032333305	3

Drawing is common to all four corners.  
Quantities listed are for ONE mount.

#### Spring Mounting Code 21= 15F2 OR Seismic Mount Code 21= 15F3

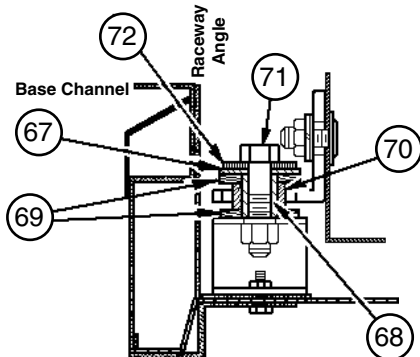


Spring Detail: Quantities listed in chart are for ONE spring. Seismic mounting is the same with the addition of the parts shown below.

Ref No.	Part Description	Part Number	Qty <sup>1</sup>
55	Spring Retainer	035204301	1
56	Washer	035204500	1
60	Pad	035204400	1
99A	Spring Isolator- Position 1		
	Motor H.P.= 1 thru 5 Black	022611100	1
	Motor H.P.= 7.5 thru 10 Blue	022611200	1
99B	Spring Isolator- Position 2		
	Motor H.P.= 1 thru 2 Black	022611100	1
	Motor H.P.= 3 thru 7.5 Blue	022611200	1
	Motor H.P.= 10 Yellow	022611300	1
99C	Spring Isolator- Position 3		
	Motor H.P.= 1 thru 5 Black	022611100	1
	Motor H.P.= 7.5 thru 10 Blue	022611200	1
99D	Spring Isolator- Position 4		
	Motor H.P.= All Black	022611100	1

<sup>1</sup> Quantity is for ONE corner. All four corners are the same.

#### Additional Seismic Restraint Parts



Ref No.	Part Description	Part Number	Qty <sup>2</sup>
67	Washer Code 21= 15F3 only	057276701	1
68	Spacer Code 21= 15F3 only	057276801	1
69	Washer- Neoprene Code 21= 15F3 only	067301101	2
70	Spacer- Neoprene Code 21= 15F3 only	067301201	1
71	Cap Screw Code 21= 15F3 only	040499515	1
72	Lock Washer Code 21= 15F3 only	048164816	1

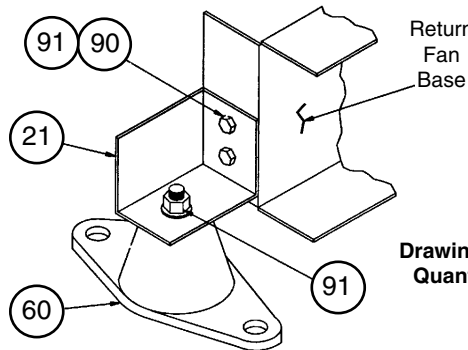
<sup>2</sup> Quantity is for ONE corner. All four corners are the same.

# Section A1- Outdoor/Return Air Section

## Return Air Fan Mounting- 30" AND 40" Airfoil Fan

Code 21= 30\*1, 40\*1, 30\*2, 40\*2, 30\*3, 40\*3  
Until 12/04

### Rubber-In-Shear Code 21= 30\*1, 40\*1

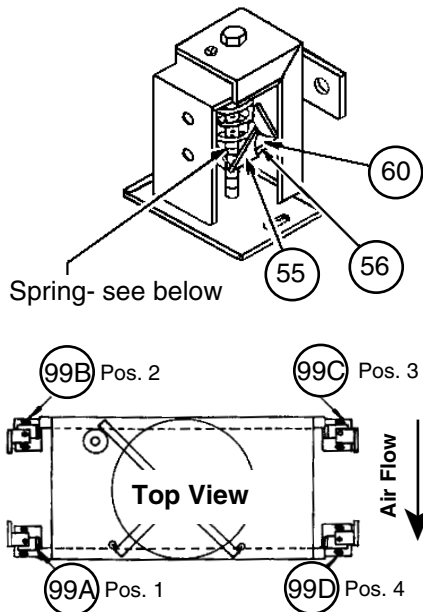


Rubber Mount Detail: All four corners are the same.

Ref No.	Part Description	Part Number	Qty.
21	Support Angle	035205200	1
60	Isolator- RP- 3 Black	021639704	1
90	Screw	040499501	2
91	Nut	032333305	3

Drawing is common to all four corners.  
Quantities listed are for ONE mount.

### Spring Mounting Code 21= 30\*2, 40\*2 and Seismic Mount Code 21= 30\*3, 40\*3



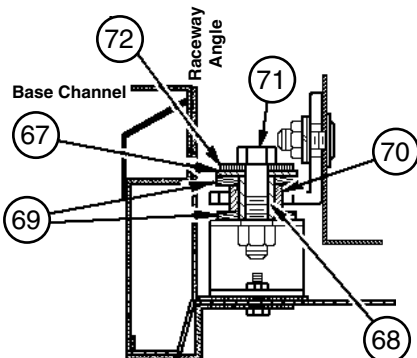
Spring Detail: Quantities listed in chart are for ONE spring. Seismic mounting is the same with the addition of the parts shown below.

Ref No.	Part Description	30" Fan	40" Fan	Qty <sup>1</sup>
55	Spring Retainer	035204301	035204301	1
56	Washer	035204500	035204500	1
60	Pad	035204400	035204400	1
99A	Spring Isolator- Position 1			
	Motor H.P.= 1 thru 5	022611200	022611200	1
	Motor H.P.= 7.5 thru 10	022611300	022611200	1
99B	Spring Isolator- Position 2			
	Motor H.P.= 1 thru 5	022611300	022611300	1
	Motor H.P.= 7.5 thru 10	022611400	022611300	1
99C	Spring Isolator- Position 3			
	Motor H.P.= 1 thru 5	022611100	022611100	1
	Motor H.P.= 7.5 thru 10	022611200	022611100	1
99D	Spring Isolator- Position 4			
	Motor H.P.= All	022611100	022611100	1

NOTE: Spring colors— 022611100= Black; 022611200= Blue; 022611300= Yellow; 022611400= Brown.

<sup>1</sup> Quantity is for ONE corner. All four corners are the same.

### Additional Seismic Restraint Parts



Ref No.	Part Description	Part Number	Qty <sup>2</sup>
67	Washer Code 21= 30/40*3 only	057276701	1
68	Spacer Code 21= 30/40*3 only	057276801	1
69	Washer- Neoprene Code 21= 30/40*3 only	067301101	2
70	Spacer- Neoprene Code 21= 30/40*3 only	067301201	1
71	Cap Screw Code 21= 30/40*3 only	040499515	1
72	Lock Washer Code 21= 30/40*3 only	048164816	1

<sup>2</sup> Quantity is for ONE corner. All four corners are the same.



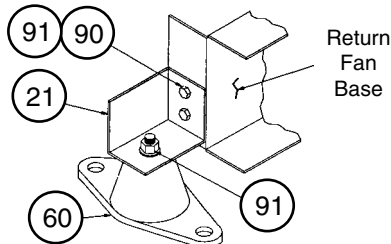
# Section A1- Outdoor/Return Air Section

## Return Air Fan Mounting- 30" AND 40" Airfoil Fan

### Code 21= 30B1, 40B1, 30B2, 40B2, 30B3, 40B3

### 12/04 & Later

#### Rubber-In-Shear Code 21= 30\*1, 40\*1



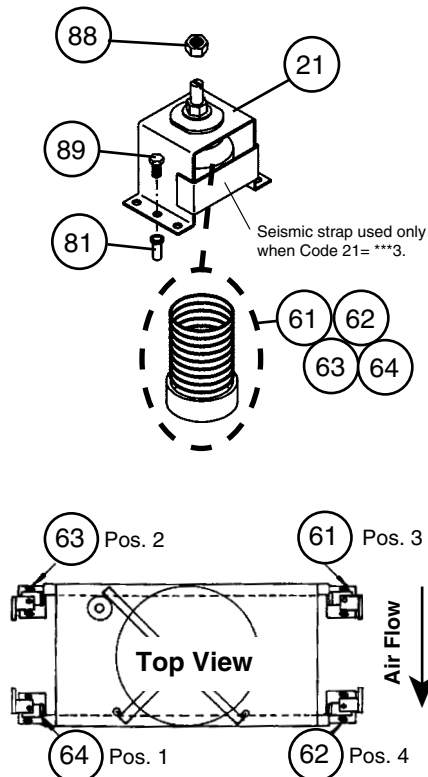
Rubber Mount Detail: All four corners are the same.

Ref No.	Part Description	Part Number	Qty.
21	Support Angle	035205200	1
60	Isolator RP- 3 Black	021639704	1
90	Screw	040499501	2
91	Nut	032333305	3

Drawing is common to all four corners.  
Quantities listed are for ONE mount.

#### Spring Mounting Code 21= 30\*2, 40W\*2 AND Seismic Mount Code 21= 30\*3, 40\*3

Spring Detail: Quantities listed in chart are for ONE spring.



Ref No.	Part Description	30" Fan	40" Fan	Qty <sup>1</sup>
21	Mount- Spring			
	Spring Mount- C21= ***2	251783201	251783201	1
	Seismic Mount- C21= ***3	251783301	251783301	1
81	Nut			
	Spring Mount- C21= ***2	059992201	059992201	3
	Seismic Mount- C21= ****3	111056301	111056301	5
88	Nut	040500002	040500002	1
89	Screw			
	Spring Mount- C21= ****2	112047201	112047201	3
	Seismic Mount- C21= ****3	112047201	112047201	5
61	Spring Isolator- Position 3			
	Motor H.P.= 1 thru 3	251784601	251784701	1
	Motor H.P.= 5	251784701	251784701	1
	Motor H.P.= 7.5 thru 10	251784701	251784801	1
62	Spring Isolator- Position 4			
	Motor H.P.= 1 thru 5	251784401	251784501	1
	Motor H.P.= 7.5 thru 10	251784401	251784601	1
63	Spring Isolator- Position 2			
	Motor H.P.= 1 thru 5	251784601	251784601	1
	Motor H.P.= 7.5 thru 10	251784701	251784701	1
64	Spring Isolator- Position 1			
	Motor H.P.= All	251784401	251784501	1

NOTE: Spring colors— 251784401= Blue; 251784501= Yellow; 251784601= Black; 251784701= Purple; 251784801= Brown.

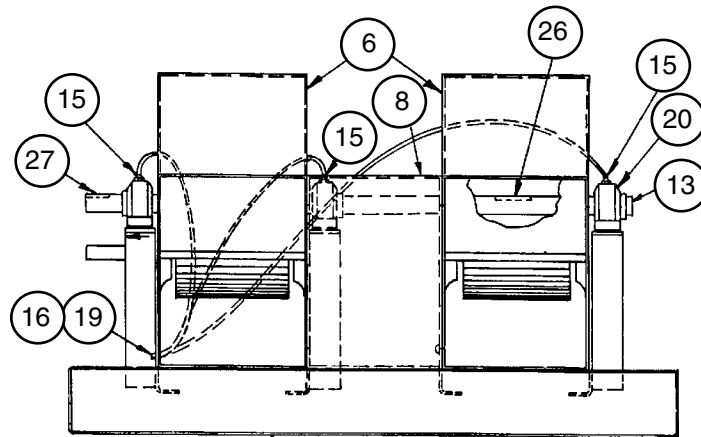
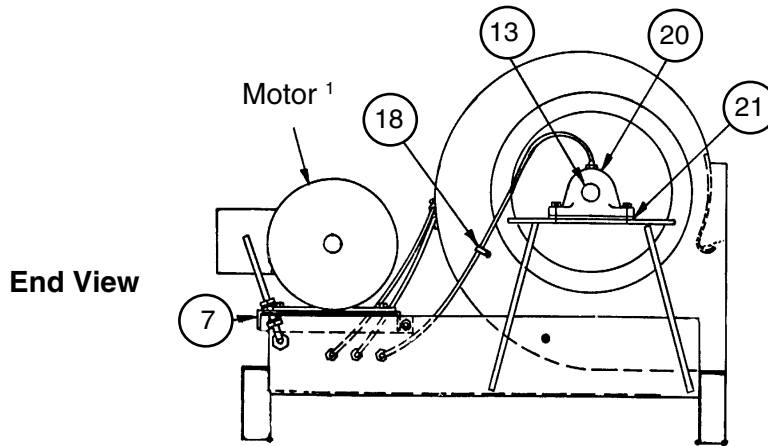
<sup>1</sup> Quantity is for ONE corner. All four corners are the same.

# Section A1- Outdoor/Return Air Section

## Return Air Fan Deck

### 15" Fans: Code 21= 15F1, 15F2, 15F3

### Diagrams



Ref No.	Part Description	Part Number	Qty.
6	Wheel	033135100	2
7	Motor Shelf	033262600	1
8	Filler Piece	033262400	1
13	Shaft	033262001	1
15	Tube Coupling	021213700	3
16	Tube Coupling	021213800	3
18	Tube Clamp	001324600	4
19	Grease Fitting	000109800	1
20	Ball Bearing	020648651 <sup>2</sup>	3
21	Shim	<sup>3</sup>	3
26	Key	023221409	2
27	Key	023221405	1

<sup>1</sup> Motors are listed after the Fan Deck detail.

<sup>2</sup> Note that some units may have been equipped with standard setscrew locking bearings. This locking collar style bearing is the recommended replacement.

<sup>3</sup> Shims are used as needed. Any of the following may be used: 025639900 (.058"); 091531301 (.046"); 091531601 (0.22"); 091531501 (.031").

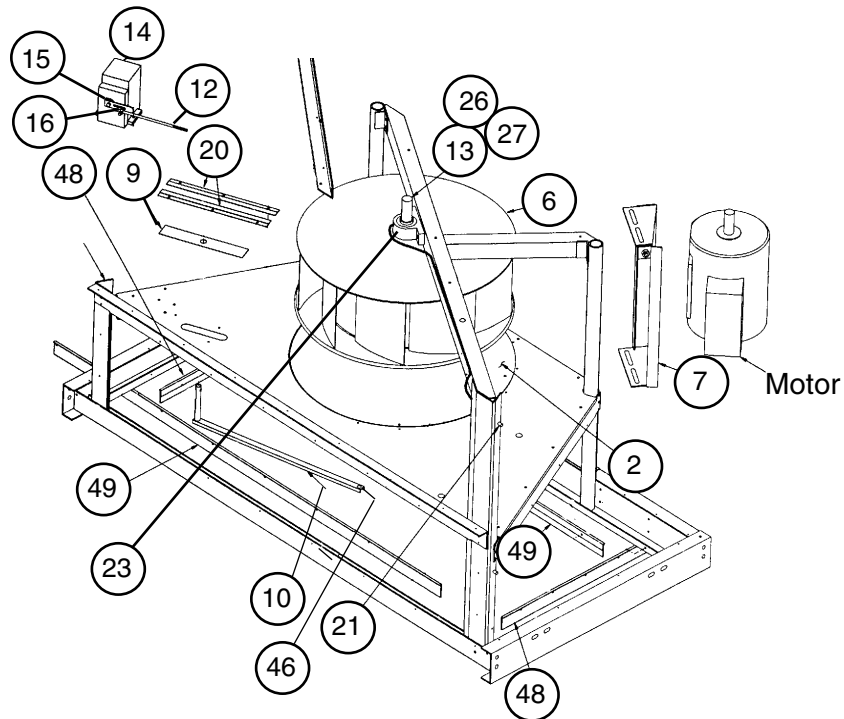
# Section A1- Outdoor/Return Air Section

## Return Air Fan Deck

30" Fans: Code 21= 30W\*, 30B\*

Until 12/04

Shown With  
Variable Inlet Vanes



Ref No.	Part Description	w/o VIV C21= 30B*	w/ VIV C21= 30W*	Qty.
2	Inlet Funnel	031940902	032739400	1
6	Fan Wheel- SISW	066543221	066543221	1
7	Motor Shelf	058573201	058573201	1
9	Seal Plate	N/A	059363801	1
10	Linkage Arm	N/A	059364101	1
12	Linkage Rod- Adjust.	N/A	059363501	1
13	Shaft	058568201	058568201	1
14	Actuator Motor- ACT2	N/A	031771701	1
15	Crank Arm	N/A	032279200	1
16	Ball Joint	N/A	000887000	1
20	Cover Plate	059364202	N/A	
	Seal Angle	N/A	059363402	1
21	Grease Fitting	000109800	000109800	2
23	Ball Bearing	020648651 <sup>1</sup>	020648651 <sup>1</sup>	2
26	Shaft Key	023221405	023221405	1
27	Shaft Key	023221411	023221411	1
46	Sleeve Bearing	N/A	047138509	1
48	Retainer Assembly	058582001	058582001	1
	Gasket Only	055582601	055582601	1
49	Retainer Assembly	058582002	058582002	2
	Gasket Only	055582601	055582601	2

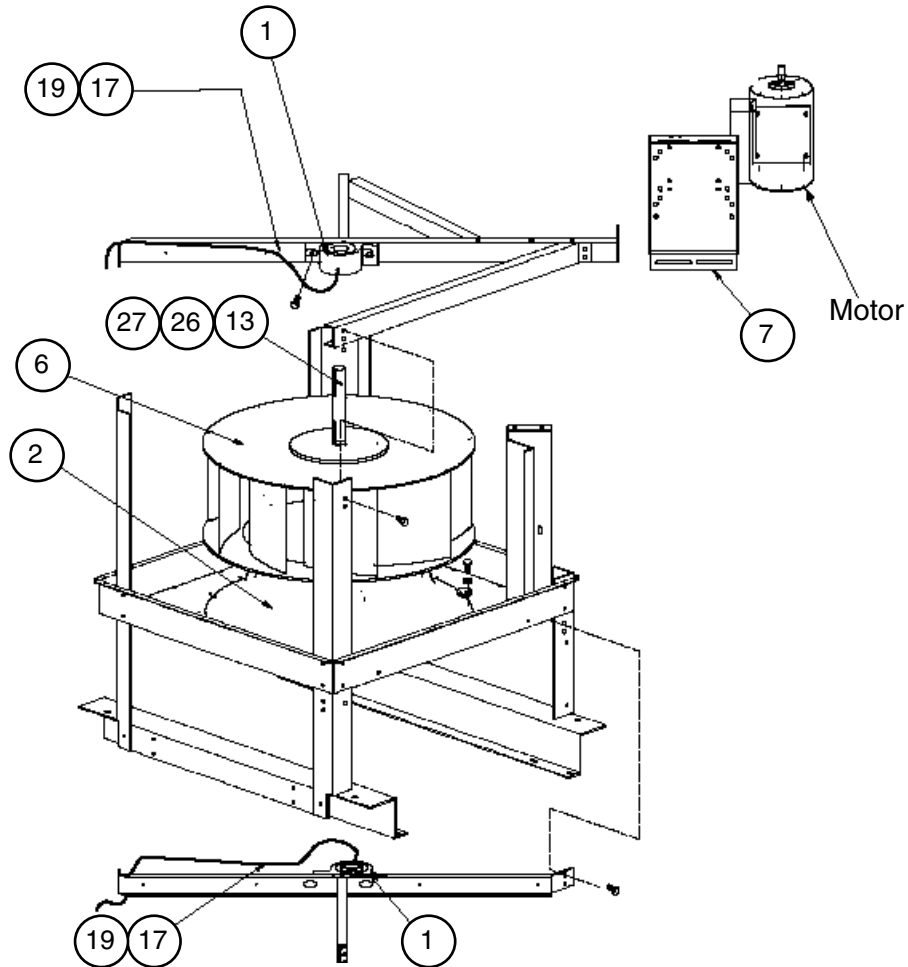
Note: Motors are listed after the Fan Deck detail.

<sup>1</sup> Note that some units may have been equipped with standard setscrew locking bearings. This locking collar style bearing is the recommended replacement.

# Section A1- Outdoor/Return Air Section

## Return Air Fan Deck

30" Fans: Code 21= 30B1, 30B2, 30B3  
12/04 & Later



Ref No.	Part Description	Part Number	Qty.
1	Bearing	020648651 <sup>1</sup>	2
2	Funnel- Inlet	031940902	1
6	Wheel- Fan	066543221	1
7	Mount- Motor	058400974	1
13	Shaft- Fan	058568201	1
17	Tubing- Plastic	021136745	2
19	Fitting- Grease	000109800	2
26	Key	023221405	1
27	Key	023221411	1

Note: Motors are listed after the Fan Deck detail.

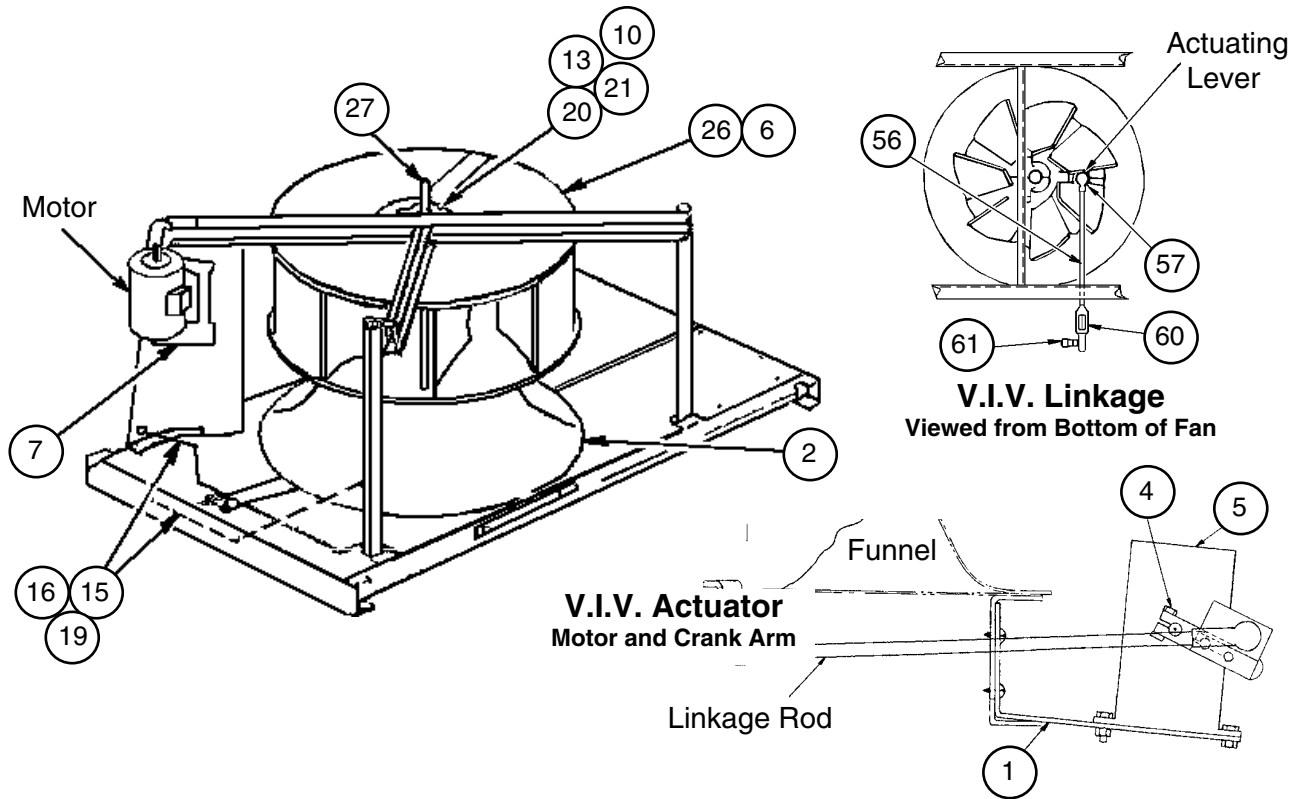
<sup>1</sup> Note that some units may have been equipped with standard setscrew locking bearings. This locking collar style bearing is the recommended replacement.

# Section A1- Outdoor/Return Air Section

## Return Air Fan Deck

40" Fans: Code 21= 40W\*, 40B\*

Until 12/04



Ref No.	Part Description	w/o VIV C21= 40B*	w/VIV C21= 40W*	Qty.
1	Motor Shelf	N/A	038236400	1
2	Inlet Funnel	031940905	032739700	1
4	Crank Arm	N/A	032279200	1
5	Actuator Motor- ACT2	N/A	031771701	1
6	Fan Wheel: SISW	066543242	066543242	1
7	Fan Motor Mount	038234401	038234401	1
10	Bearing Plate	038234800	038234800	1
13	Shaft	037788701	037788701	1
15	Coupling	027674000	027674000	3
16	Coupling	027674100	027674100	3
19	Grease Fitting	000109800	000109800	2
20	Bearing	020648653 <sup>1</sup>	020648653 <sup>1</sup>	2
21	Shim	021494400	021494400	2
26	Shaft Key	023221508	023221508	1
27	Shaft Key	023221507	023221507	1
56	Linkage Rod	N/A	034831722	1
57	Ball Joint Damper	N/A	027671100	1
60	Turnbuckle	N/A	032851100	1
61	Ball Joint Damper	N/A	034256500	1

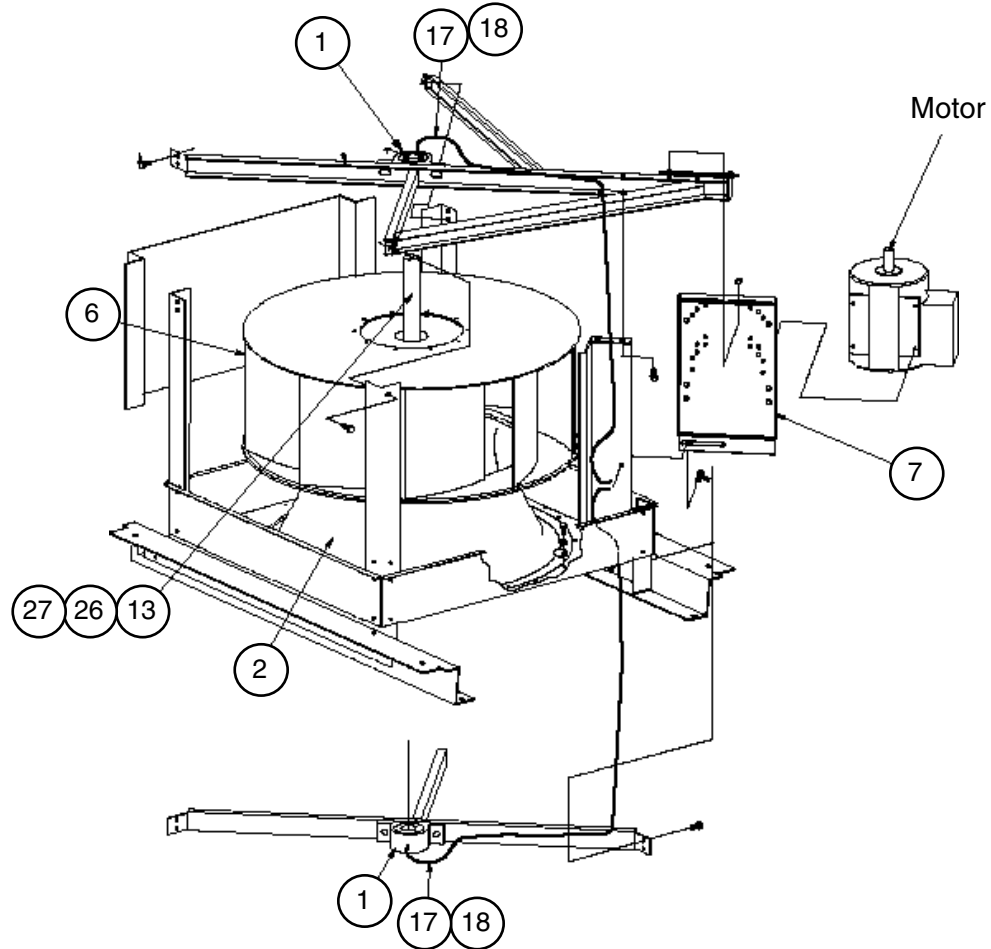
Note: Motors are listed after the Fan Deck detail.

<sup>1</sup> Note that some units may have been equipped with standard setscrew locking bearings. This locking collar style bearing is the recommended replacement.

# Section A1- Outdoor/Return Air Section

## Return Air Fan Deck

40" Fans: Code 21= 40B1, 40B2, 40B3  
12/04 & Later



Ref No.	Part Description	Part Number	Qty.
1	Bearing	020648653 <sup>1</sup>	2
2	Funnel- Inlet	031940905	1
6	Wheel- Fan	066543242	1
7	Mount- Motor	058400974	1
13	Shaft- Fan	037788701	1
17	Tubing- Plastic	021136745	2
18	Fitting- Grease	000109800	2
26	Key	023221508	1
27	Key	023221507	1

Note: Motors are listed after the Fan Deck detail.

<sup>1</sup> Note that some units may have been equipped with standard setscrew locking bearings. This locking collar style bearing is the recommended replacement.

## Section A1- Outdoor/Return Air Section

### Return Air Fan Motors <sup>1</sup>

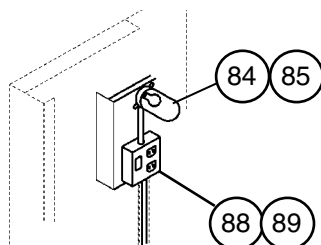
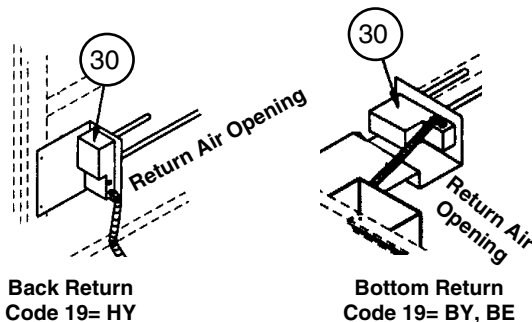
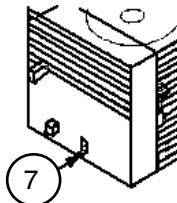
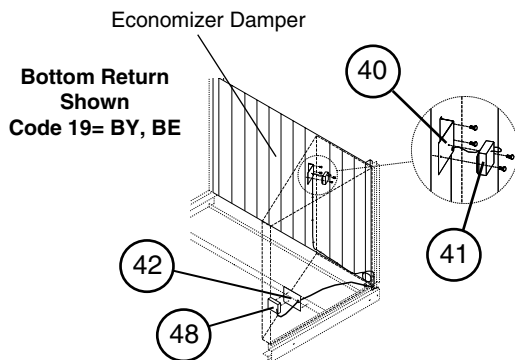
H.P.	Motor H.P. Code 22=	Unit Voltage	ODP HiEff C22= *EY	ODP PrEff. C22= *JY	TEFC HiEff C22= *HY	TEFC PrEff C22= *KY
		<b>C09= 12</b>				
1	E**	208/60/3	039447400	205167600	049100100	004735000
1.5	F**	208/60/3	039442200	205167500	049100200	046513100
2	G**	208/60/3	039895700	046515500	049100300	073321000
3	H**	208/60/3	039447500	065817100	047358100	065819400
5	J**	208/60/3	039447600	065817200	049186800	065819500
7.5	K*	208/60/3	037530300	065817300	047665900	065819600
10	L**	208/60/3	038999000	065817400	047666100	065819700
15	M**	208/60/3	039896200	065817500	049186900	065819800
20	N**	208/60/3	039895800	065817600	049187000	065819900
		<b>C09= 29</b>				
1	E**	230/60/3	039446200	205162800	040161000	046513000
1.5	F**	230/60/3	039442300	046511100	040161100	046513100
2	G**	230/60/3	039446300	205163500	047446000	073321000
3	H**	230/60/3	039442400	065818100	049262300	065820100
5	J**	230/60/3	039442500	065818200	040161200	065820200
7.5	K**	230/60/3	039448700	065818300	049100500	065820300
10	L**	230/60/3	039446500	065818400	044691100	065820400
15	M**	230/60/3	039446600	065818500	038689700	065820500
20	N**	230/60/3	039448800	065818600	040161300	065820600
		<b>C09= 27</b>				
1	E**	460/60/3	039446200	205162800	040161000	046513000
1.5	F**	460/60/3	039442300	046511100	040161100	046513100
2	G**	460/60/3	039446300	205163500	047446000	073321000
3	H**	460/60/3	039442400	065818100	049262300	065820100
5	J**	460/60/3	039442500	065818200	040161200	065820200
7.5	K**	460/60/3	039448700	065818300	049100500	065820300
10	L**	460/60/3	039446500	065818400	044691100	065820400
15	M**	460/60/3	039446600	065818500	038689700	065820500
20	N**	460/60/3	039448800	065818600	040161300	065820600
		<b>C09= 37</b>				
1	E**	575/60/3	049180800	206500900	049188000	206505600
1.5	F**	575/60/3	049180900	206501600	049188100	205167800
2	G**	575/60/3	049181000	205168300	049188200	046514400
3	H**	575/60/3	046741600	046511700	049188300	046514500
5	J**	575/60/3	046741900	205168900	049188400	046514600
7.5	K**	575/60/3	047443300	205168800	049188500	046514700
10	L**	575/60/3	047443400	205168600	049188600	065821400
15	M**	575/60/3	047443500	205166600	049185200	065821500
20	N**	575/60/3	049181100	205166800	049188700	065821600

<sup>1</sup> Note that Standard Efficiency Motors (Code 22= \*AY, \*GY) are no longer available. Use High (HiEff.) or Premium Efficiency (PrEff.) instead.

# Section A1- Outdoor/Return Air Section

## Section Mounted Controls

### OAE, RAE, RAT, SD2, LT11, S11, REC11



#### OAE- Mechanical Enthalpy (Code 17= Y\*)

Ref No.	Part Description	Part Number	Qty.
40	Mount- OAE Enthalpy	1	1
41	Control- OAE	1	1

<sup>1</sup> The original control is obsolete & no longer available. For the OAE Control use p/n 113103601 & Mount 910146257. Minor field modifications are required for proper installation & operation when changing to the newer design.

#### OAE & RAE Differential Enthalpy (Code 17= C\*)

Ref No.	Part Description	Part Number	Qty.
40	Mount- OAE Enthalpy	2	1
41	Control- OAE	2	1
42	Mount- RAE Enthalpy	2	1
48	Control- RAE	2	1

<sup>2</sup> Note that BOTH original controls are obsolete & no longer available. For the OAE Control use 113103601 & Mount p/n 910146257. For the RAE Control use 113103701 & Mount p/n 055732301. When changing one of the older style controls BOTH CONTROLS MUST BE CHANGED TO THE NEWER VERSION since the old and new parts are NOT compatible with each other. Also, minor field modifications are required for proper installation & operation when changing to the newer design.

#### RAT- Return Air Temperature Sensor

Ref No.	Part Description	Part Number	Qty.
7	Sensor- RAT		
	MicroTech Controls	065829505	1
	MicroTech II Controls	060004705	1
	MicroTech III Controls	193414602	1

#### SD2- Return Air Smoke Detector

Code 16= 1, 3

Ref No.	Part Description	Part Number	Qty.
30	Smoke Detector SD2	098873101 <sup>3</sup>	1

<sup>3</sup> The original Smoke Detector for units built 2003 & Earlier is no longer available. When replacing any version of SD2, reuse existing Sampling Tubes or order 1pc. 098873101 for Standard Discharge or 2pc. of 098873501 for Side or Top Discharge. Minor field modifications may be required for proper installation.

#### LT11- Return Fan Light/S11- Return Fan Light Switch/REC11- Return Fan Light Receptacle

Code 49= E, F

Ref No.	Part Description	Part Number	Qty.
84	Light Fixture	042229500	1
85	Bulb- LT11	065492402	1
88	Light Switch- S11	065492201	1
89	Receptacle- REC11	030187000	1



# Section A2- Outdoor/Return/Heat Recovery Air Section

## Notes



Primary Codes that pertain: 19, 20, 21, 22, 23, 24

Additional Codes that pertain: 06, 09, 14, 15, 16, 17, 26, 49

Codes 19 and 20 determine the base section. Code 19 determines the Return Air Plenum characteristics, and is always B\* (bottom return air). Code 20 determines the type of Outdoor Air/Heat Recovery control used. If Code 20= 1E, 2E the unit is 100% OA Air; and if Code 20= 3E the unit has an Economizer.

Codes 21, 22, 23 determine the Return Air Fan, Motor and drives. The fan section parts, the Fans, and the Fan Motors are listed in this section. **Drive components (Fan Sheave, Motor Sheave, V-belt(s), and Sheave Bushing(s) [if required]) are NOT listed as they are unique to the unit. If a drive component is required you may use the number from the part and cross reference it with the Drive Components Cross Reference, form number 571006, or contact Daikin Applied with model and serial number information for identification.** Outdoor/Return/Heat Recovery Fan Motors range from 1.5- 20 horsepower, and the Fan is a 24" Single Width Airfoil Wheel.

Code 24 determines if the Heat/Energy Recovery Wheel has a Frost Protection Inverter mounted in the section (Code 24= F).

Code 06, insulation and liners, influences the final cabinet assembly panel part numbers. **For sheet metal components that make up the Outdoor/Return/Heat Recovery Air Section, contact Daikin Applied with model and serial number information to ensure correct liners, insulation and hardware are ordered.**

Code 09, the voltage, is part of the Fan Motor part number identification.

Codes 14 & 15 determine if the unit has inverter(s) and if so where they are installed. If Code 14= 3, 5, 6, 7, 8, 9 the inverter(s) are installed in the Supply Air Section. If Code 14= 1, 2, 4 AND Code 26= S, there is a separate Inverter Section. If Code 14= Y, there are no inverters. Code 15 determines the Inverter vendor. **For Inverter part numbers, refer to Section F the Supply Air Section.**

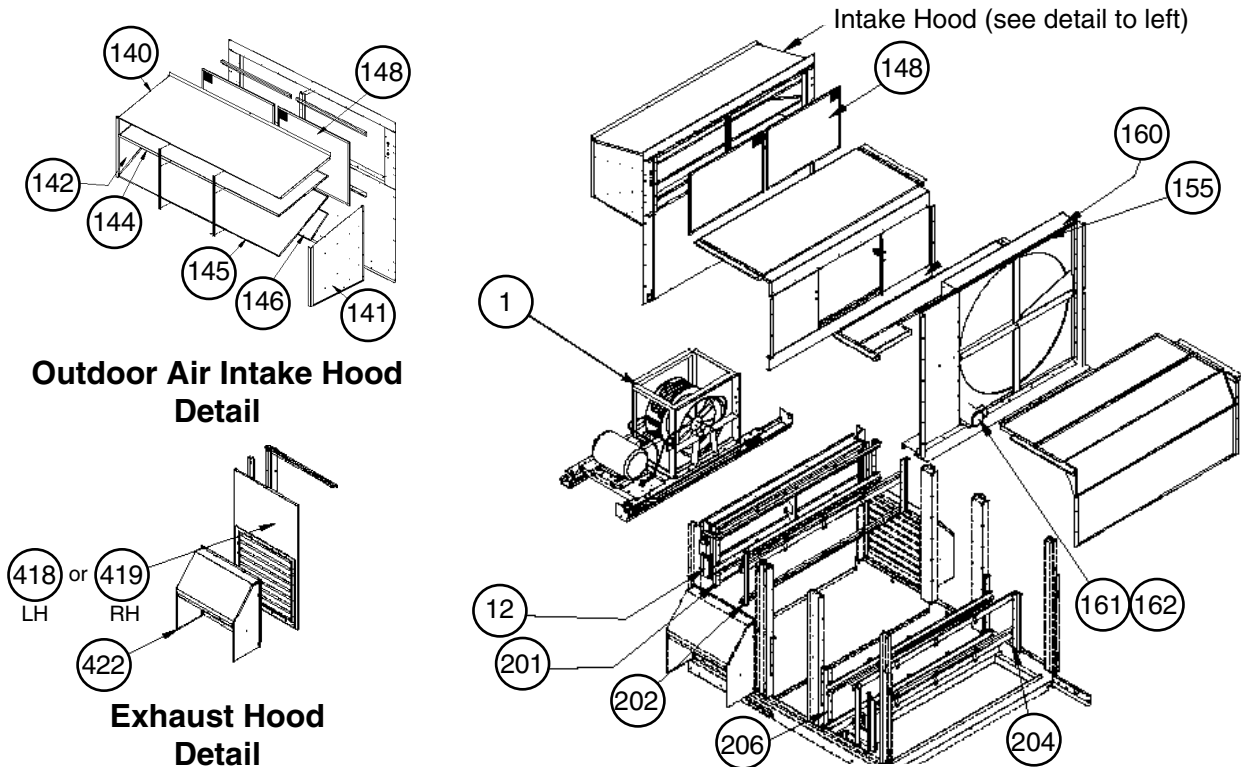
If Code 16= 1, 3 a Smoke Detector (SD2) is present in the Return Air Cabinet.

Code 17 determines the type of Enthalpy and Miscellaneous Auxiliary Controls included. If Code 17= C\*, the unit is equipped with Differential Enthalpy Control (OAE + RAE). If Code 17= Y\* the unit has an Economizer with Mechanical Enthalpy Control (OAE). The second digit of Code 17 lists the inclusion of Freezstats, Phase Failure, Line Reactors, and Ground Fault protection.

Code 49 determines if the Return Air Cabinet has a Belt Guard (Code 49= D), a Return Section Light (Code 49= E), OR a Belt Guard and a Return Section Light (Code 49= F).

# Section A2- Outdoor/Return/Heat Recovery Air Section

## 100% Outside Air Low Flow: Code 20= 1E



Ref No.	Part Description	Part Number	Qty.
1	Fan Assembly <sup>1</sup>		
12	Damper Assy- Low Leak <sup>2</sup> MicroTech II Controls	110905001	1
	Damper Assy- Low Leak <sup>3</sup> MicroTech III Controls	110905009	1
140	Panel, Top- Hood	111066001	1
141	Panel, LH Side- Outdoor Air Intake Hood	111066101	1
142	Panel, RH Side- Outdoor Air Intake Hood	111066601	1
144	Panel, Louver- Outdoor Air Intake Hood	111066301	1
145	Panel, Louver- Outdoor Air Intake Hood	111066401	1
146	Panel, Lower Louver- Outdoor Air Intake Hood	111066501	1
148	Screen- Outdoor Air Intake Hood	111076501	2
155	Gasket	024476500	8 ft.
160	Wheel, Enthalpy- Heat Recovery	4	1
161	Motor- Enthalpy Wheel	4	1
162	Sheave- Fixed	4	1
201	Filter Rack	110907301	1
202	Filter Rack	110907302	1
204	Filter Rack	110907304	1
206	Filter Rack	110907306	1
418	Door, Indented- Exhaust LH	111201841	1
419	Door, Indented- Exhaust RH	111201842	1
422	Exhaust Hood	111069501	2
N/S	Filter 16 x 20 x 2	031298001	12
N/S	Filter 16 x 25 x 2	031298002	12

N/S= Not Shown on Diagram.

<sup>1</sup> See Detail two pages after next.

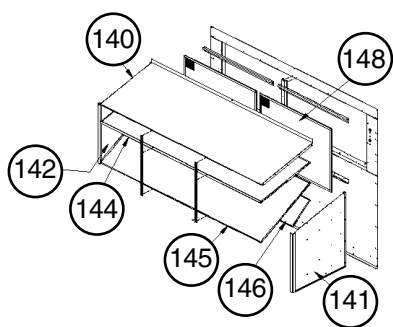
<sup>2</sup> See Detail five pages after next.

<sup>3</sup> See Detail six pages after next.

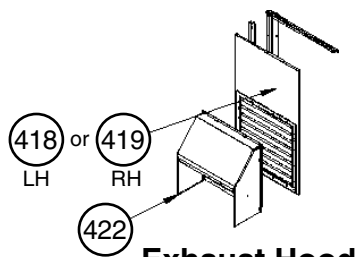
<sup>4</sup> See Detail in this section (A2) titled 'Heat Recovery-Enthalpy-Wheel Detail (Ref #160) Wheel Motor, Drive Components, Seals'

# Section A2- Outdoor/Return/Heat Recovery Air Section

## 100% Outside Air High Flow: Code 20= 2E

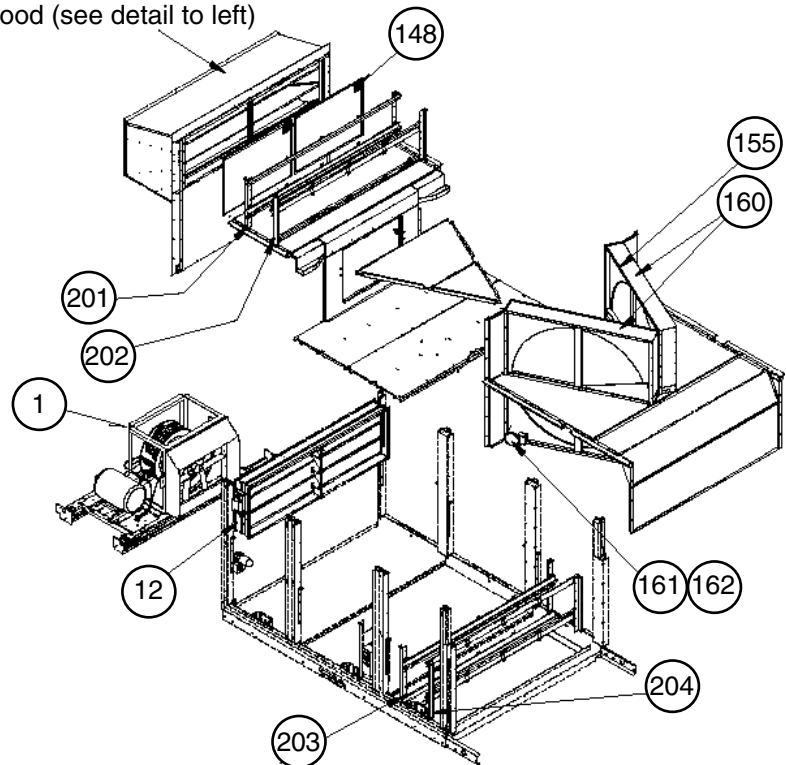


**Outdoor Air Intake Hood Detail**



**Exhaust Hood Detail**

Hood (see detail to left)



Ref No.	Part Description	Part Number	Qty.
1	Fan Assembly <sup>1</sup>		
12	Damper Assy- Low Leak <sup>2</sup> MicroTech II Controls	110905001	1
	Damper Assy- Low Leak <sup>3</sup> MicroTech III Controls	110905009	1
140	Panel, Top- Hood	111066001	1
141	Panel, LH Side- Outdoor Air Intake Hood	111066101	1
142	Panel, RH Side- Outdoor Air Intake Hood	111066601	1
144	Panel, Louver- Outdoor Air Intake Hood	111066301	1
145	Panel, Louver- Outdoor Air Intake Hood	111066401	1
146	Panel, Lower Louver- Outdoor Air Intake Hood	111066501	1
148	Screen- Outdoor Air Intake Hood	111076501	2
155	Gasket	024476500	14 ft.
160	Wheel, Enthalpy- Heat Recovery	4	2
161	Motor- Enthalpy Wheel	4	2
162	Sheave- Fixed	4	2
201	Filter Rack	110907301	1
202	Filter Rack	110907302	1
203	Filter Rack	110907303	1
204	Filter Rack	110907304	1
418	Door, Indented- Exhaust LH	111201841	1
419	Door, Indented- Exhaust RH	111201842	1
422	Exhaust Hood	111069501	2
N/S	Filter 16 x 20 x 2	031298001	12
N/S	Filter 16 x 25 x 2	031298002	12

N/S= Not Shown on Diagram.

<sup>1</sup> See Detail one page after next.

<sup>2</sup> See Detail four pages after next.

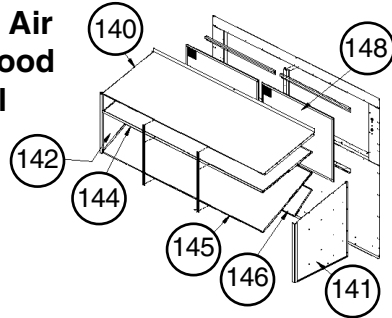
<sup>3</sup> See Detail five pages after next.

<sup>4</sup> See Detail in this section (A2) titled 'Heat Recovery-Enthalpy-Wheel Detail (Ref #160) Wheel Motor, Drive Components, Seals'

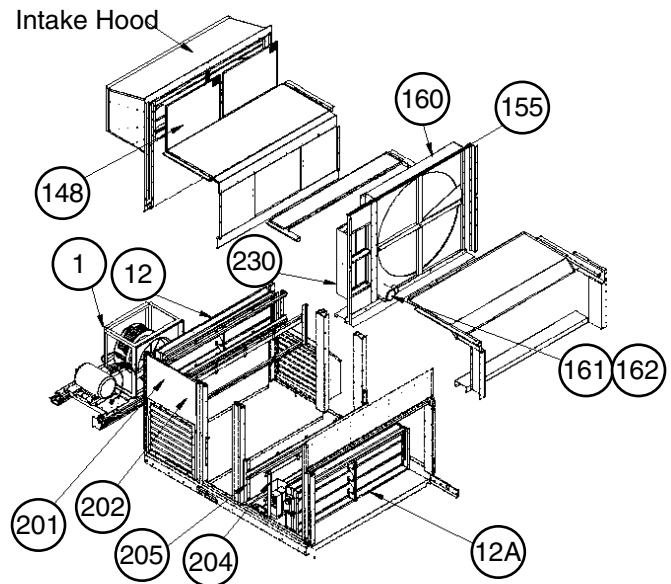
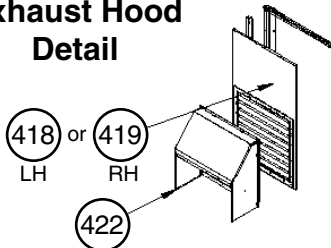
# Section A2- Outdoor/Return/Heat Recovery Air Section

## Economizer: Code 20= 3E

**Outdoor Air Intake Hood Detail**



**Exhaust Hood Detail**



Ref No.	Part Description	Part Number	Qty.
1	Fan Assembly <sup>1</sup>		
12	Damper Assy- Low Leak <sup>2</sup> Outdoor Air (w/ACT3)		
	MicroTech II Controls	110905001	1
	MicroTech III Controls	110905009	1
12A	Damper Assy- Low Leak <sup>2</sup> Return Air (w/ACT4)		
	MicroTech II Controls	110905001	1
	MicroTech III Controls	110905009	1
140	Panel, Top- Hood	111066001	1
141	Panel, LH Side- Outdoor Air Intake Hood	111066101	1
142	Panel, RH Side- Outdoor Air Intake Hood	111066601	1
144	Panel, Louver- Outdoor Air Intake Hood	111066301	1
145	Panel, Louver- Outdoor Air Intake Hood	111066401	1
146	Panel, Lower Louver- Outdoor Air Intake Hood	111066501	1
148	Screen- Outdoor Air Intake Hood	111076501	2
155	Gasket	024476500	8 ft.
160	Wheel, Enthalpy- Heat Recovery	<sup>3</sup>	1
161	Motor- Enthalpy Wheel	<sup>3</sup>	1
162	Sheave- Fixed	<sup>3</sup>	1
201	Filter Rack	110907301	1
202	Filter Rack	110907302	1
204	Filter Rack	110907304	1
205	Filter Rack	110907305	1
230	Damper Assy- Bypass <sup>2</sup> MicroTech II Controls	110919901	1
	Damper Assy- Bypass <sup>2</sup> MicroTech III Controls	110919907	1
418	Door, Indented- Exhaust LH	111201841	1
419	Door, Indented- Exhaust RH	111201842	1
422	Exhaust Hood	111069501	2
N/S	Filter 16 x 20 x 2	031298001	12
N/S	Filter 16 x 25 x 2	031298002	12

N/S= Not Shown on Diagram.

<sup>1</sup> See Detail on next page.

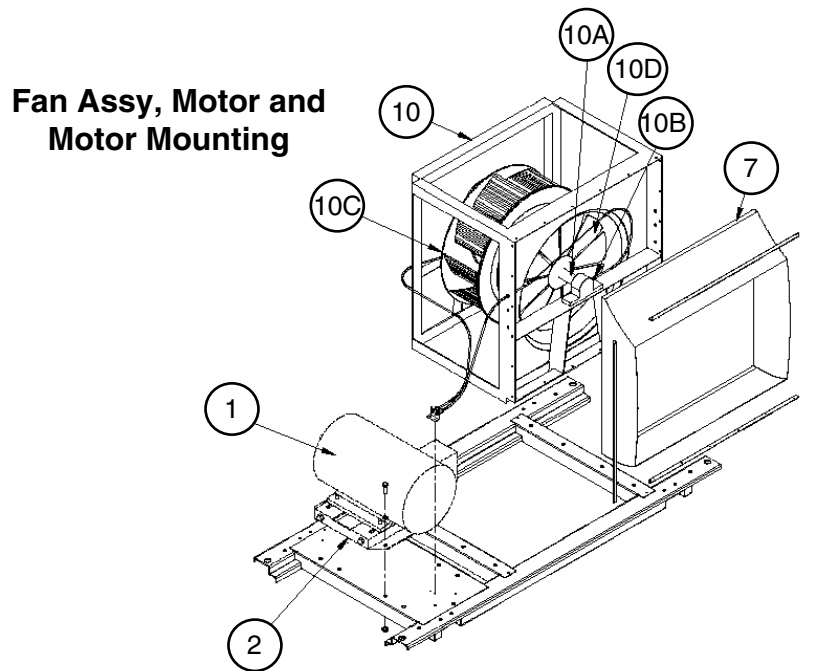
<sup>2</sup> See Detail three pages after next.

<sup>3</sup> See Detail in this section (A2) titled 'Heat Recovery-Enthalpy-Wheel Detail (Ref #160) Wheel Motor, Drive Components, Seals'

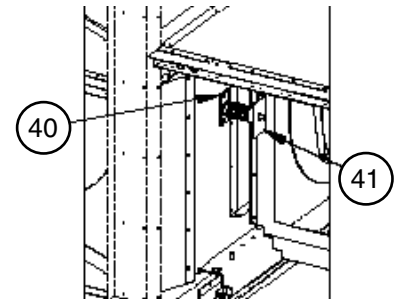
# Section A2- Outdoor/Return/Heat Recovery Air Section

## 24" Return Fan Detail

### Fan Components 04/12 & Earlier



**Thrust Restraint Detail**



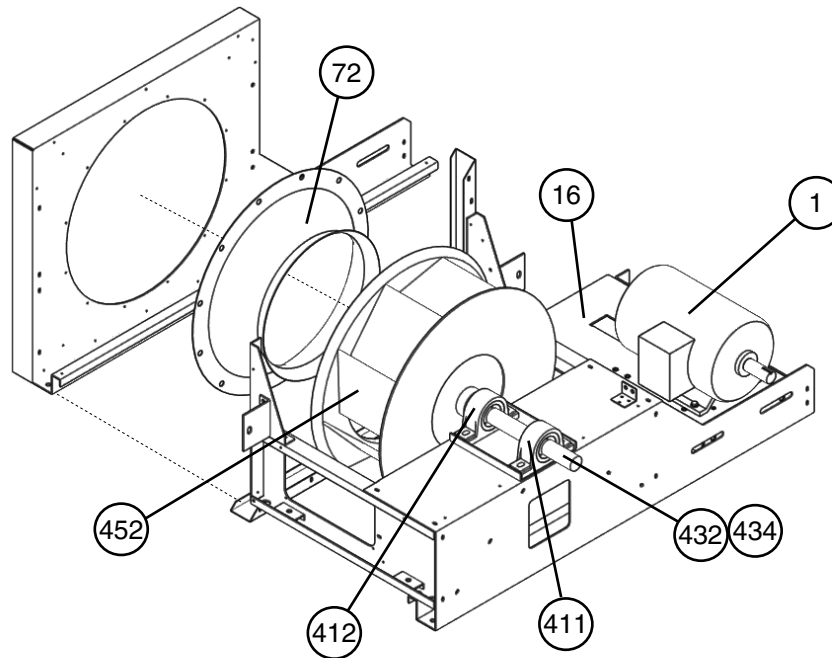
Ref No.	Part Description	Part Number	Qty.
1	Motor- Return Fan	1	
2	Mount- Motor	1	
7	Gasket	240488213	1
10	Fan Wheel and Housing Assembly	209989901	1
10A	Shaft Only	010288108	1
10B	Bearing Only	020648652	2
10C	Wheel Only	010255211	1
10D	Vane Assy	010298937	1
40	Angle- Thrust Restraint	110916701	2
41	Spring Mount, Floor- Thrust Restraint	Red 175psi 059397901	2

<sup>1</sup> See Motor Table one page after next.

# Section A2- Outdoor/Return/Heat Recovery Air Section

## 24" Return Fan Detail

### Fan Components 05/12 & Later



Ref No.	Part Description	Part Number	Qty.
1	Motor- Return Fan	1	
16	Mount- Motor	205979614	1
72	Inlet Funnel	113172024	1
411	Bearing- Ball, 1.687"	020648652	1
412	Bearing- Ball, 1.687"	020648652	1
432	Shaft, 1.687"	113174324	1
434	Key- Shaft	023221410	1
452	Wheel, 24" AF	206007724	1

<sup>1</sup> See Motor Table on the following page.

# Section A2- Outdoor/Return/Heat Recovery Air Section

## 24" Return Fan Detail

### Fan Motors & Motor Mounts

H.P.	Motor H.P. Code 22=	Unit Voltage C09= 12	ODP HiEff C22= *EY	ODP PrEff. C22= *JY	TEFC HiEff C22= *HY	TEFC PrEff C22= *KY	Motor Mount <sup>1</sup>
1	E**	208/60/3	039447400	205167600	049100100	004735000	073316603
1.5	F**	208/60/3	039442200	205167500	049100200	046513100	073316604
2	G**	208/60/3	039895700	046515500	049100300	073321000	073316604
3	H**	208/60/3	039447500	065817100	047358100	065819400	073316605
5	J**	208/60/3	039447600	065817200	049186800	065819500	073316606
7.5	K*	208/60/3	037530300	065817300	047665900	065819600	073316607
10	L**	208/60/3	038999000	065817400	047666100	065819700	073316608
15	M**	208/60/3	039896200	065817500	049186900	065819800	073316609
20	N**	208/60/3	039895800	065817600	049187000	065819900	073316610
C09= 29							
1	E**	230/60/3	039446200	205162800	040161000	046513000	073316603
1.5	F**	230/60/3	039442300	046511100	040161100	046513100	073316604
2	G**	230/60/3	039446300	205163500	047446000	073321000	073316604
3	H**	230/60/3	039442400	065818100	049262300	065820100	073316605
5	J**	230/60/3	039442500	065818200	040161200	065820200	073316606
7.5	K**	230/60/3	039448700	065818300	049100500	065820300	073316607
10	L**	230/60/3	039446500	065818400	044691100	065820400	073316608
15	M**	230/60/3	039446600	065818500	038689700	065820500	073316609
20	N**	230/60/3	039448800	065818600	040161300	065820600	073316610
C09= 27							
1	E**	460/60/3	039446200	205162800	040161000	046513000	073316603
1.5	F**	460/60/3	039442300	046511100	040161100	046513100	073316604
2	G**	460/60/3	039446300	205163500	047446000	073321000	073316604
3	H**	460/60/3	039442400	065818100	049262300	065820100	073316605
5	J**	460/60/3	039442500	065818200	040161200	065820200	073316606
7.5	K**	460/60/3	039448700	065818300	049100500	065820300	073316607
10	L**	460/60/3	039446500	065818400	044691100	065820400	073316608
15	M**	460/60/3	039446600	065818500	038689700	065820500	073316609
20	N**	460/60/3	039448800	065818600	040161300	065820600	073316610
C09= 37							
1	E**	575/60/3	049180800	206500900	049188000	206505600	073316603
1.5	F**	575/60/3	049180900	206501600	049188100	205167800	073316604
2	G**	575/60/3	049181000	205168300	049188200	046514400	073316604
3	H**	575/60/3	046741600	046511700	049188300	046514500	073316605
5	J**	575/60/3	046741900	205168900	049188400	046514600	073316606
7.5	K**	575/60/3	047443300	205168800	049188500	046514700	073316607
10	L**	575/60/3	047443400	205168600	049188600	065821400	073316608
15	M**	575/60/3	047443500	205166600	049185200	065821500	073316609
20	N**	575/60/3	049181100	205166800	049188700	065821600	073316610

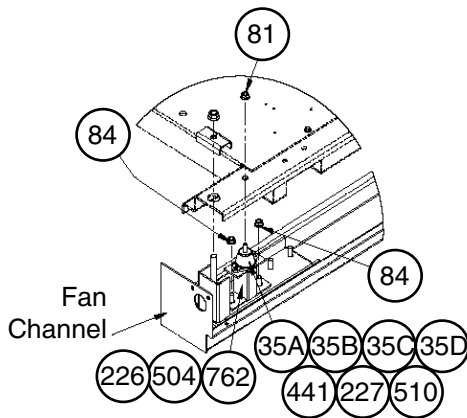
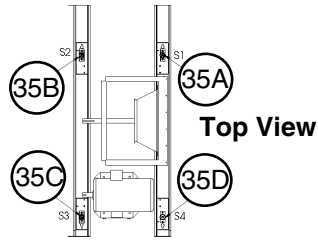
<sup>1</sup> Reference #2 two pages previous. Note that these Motor Mounts are used in assemblies built 04/12 & Earlier ONLY.

# Section A2- Outdoor/Return/Heat Recovery Air Section

## 24" Return Fan Detail

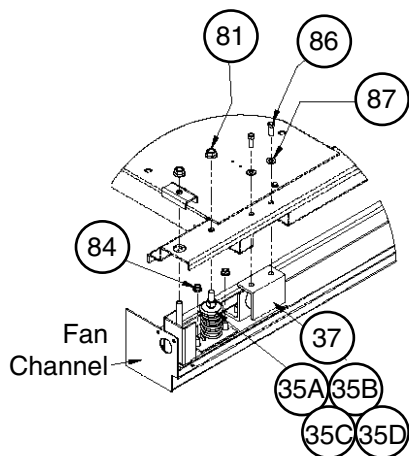
### Fan Mounts 04/12 & Earlier

**Fan Mounting Locations**



#### Rubber-In-Shear (Code 21= 24B1)

Ref No.	Part Description	Part Number	Qty.
35A	Vibration Mount Black	073310701	1
35B	Vibration Mount Black	073310701	1
35C	Vibration Mount		
	1.5, 2 HP Green	073310501	1
	3- 20 HP Black	073310701	1
35D	Vibration Mount Black	073310701	1
81	Nut- Hex	032333305	4
84	Nut- Hex	032333304	8
226	Screw	046093820	8
227	Screw	040501412	8
441	Nut- Hex	032333304	4
504	Washer	040500310	8
510	Washer	040500307	8
762	Support- Green Vibration Mount	057862501	1/mt
	Support- Black Vibration Mount	057862601	1/mt



#### Spring (Code 21= 24B2) OR Spring w/ Seismic Snubber (Code 21= 24B3)

Ref No.	Part Description	Part Number	Qty.
35A	Vibration Mount Red	059397901	1
35B	Vibration Mount Red	059397901	1
35C	Vibration Mount		
	1.5- 5 HP Red	059397901	1
	7.5- 20 HP Green	059398001	1
35D	Vibration Mount		
	1.5- 5 HP Red	059397901	1
	7.5- 20 HP Green	059398001	1
37	Mount- Seismic (C21= 24B3)	059478401	4
81	Nut- Hex	032333305	8
84	Nut- Hex Spring (C21= 24B2)	032333304	8
	Nut- Hex Seismic (C21= 24B3)	032333304	16
86	Screw- Cap (C21= 24B3)	048878118	8
87	Washer (C21= 24B3)	040500308	8

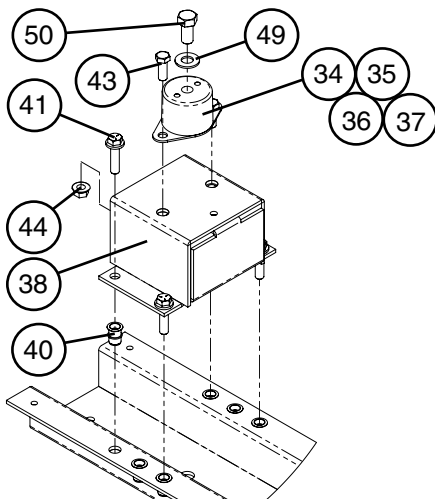
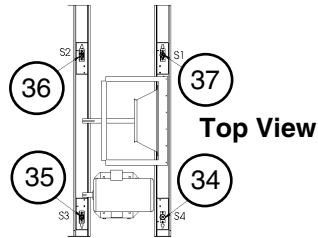


# Section A2- Outdoor/Return/Heat Recovery Air Section

## 24" Return Fan Detail

### Fan Mounts 05/12 & Later

**Fan Mounting Locations**

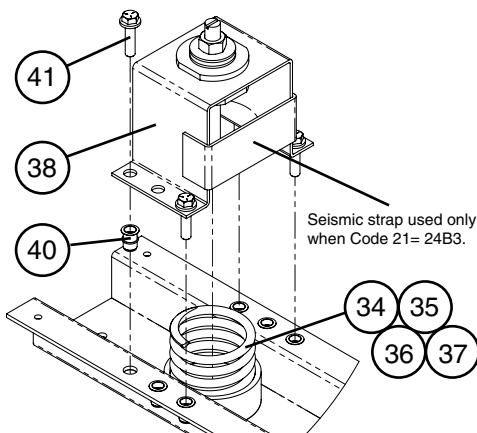


**Rubber-In-Shear (Code 21= 24B1)**

Ref No.	Part Description	Part Number	Qty.
34- 37	Mount- Std. (Code 21= 24B2)	021639701	4 <sup>1</sup>
	Mount- Seismic (Code 21= 24B3)		
34, 35, 37	1.5 HP	112049706	3 <sup>1</sup>
36	1.5 HP	112049701	1 <sup>1</sup>
34, 37	2, 3 HP	112049706	2 <sup>1</sup>
35, 36	2, 3 HP	112049701	2 <sup>1</sup>
34- 37	5- 10 HP	112049701	4 <sup>1</sup>
34, 36, 37	15- 20 HP	112049701	3 <sup>1</sup>
35	15- 20 HP	112049702	1 <sup>1</sup>
38	Mount- Std. (Code 21= 24B2)	404079350	4
38	Mount- Seismic (Code 21= 24B3)	404079450	4
40	Nut	059992201	24
41	Screw	112047201	2
43	Screw, Cap (Code 21= 24B2)	040499501	8
	Screw, Cap (Code 21= 24B3)	048878118	8
44	Nut (Code 21= 24B2)	032333305	8
	Nut (Code 21= 24B3)	032333304	8
49	Washer	040500310	4
50	Screw, Cap	040499501	4

<sup>1</sup> Note that these p/n's are for ODP Fan Motors ONLY (Code 21= \*EY,\*JY). For TEFC motors (Code 21= \*HY,\*KY) contact Daikin Applied.

<sup>2</sup> Qty. for Std. Mount (Code 21= 24B2) 8 pc. Qty for Seismic Mount (Code 21= 24B3) 16 pc.

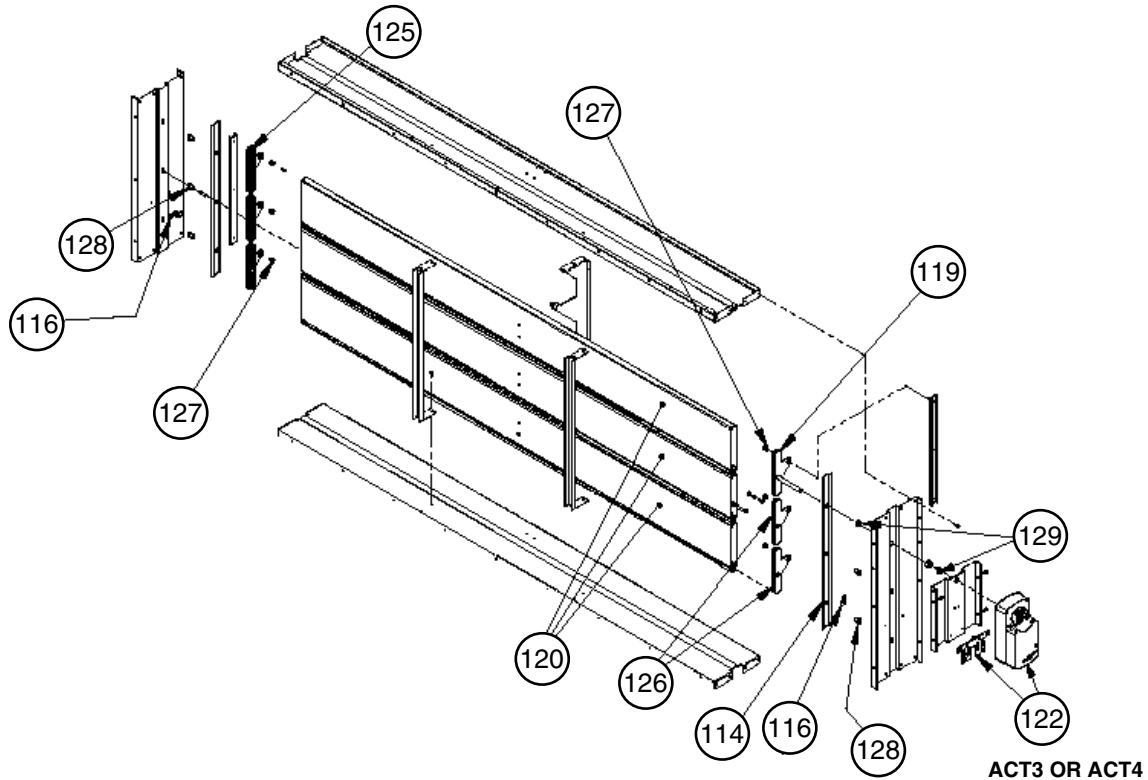


**Spring (Code 21= 24B2) OR  
Spring w/ Seismic Snubber (Code 21= 24B3)**

Ref No.	Part Description	Part Number	Qty.
34- 37	Spring- 1.5- 10 HP Yellow	251784601 <sup>3</sup>	4
34, 35	Spring- 15- 20 HP Green	251784701 <sup>3</sup>	2
36, 37	Spring- 15- 20 HP Yellow	251784601 <sup>3</sup>	2
38	Mount- Std. (Code 21= 24B2)	251783201	4
38	Mount- Seismic (Code 21= 24B3)	251783301	4
40	Nut	059992201	24
41	Screw	112047201	8

<sup>3</sup> Note that these p/n's are for ODP Fan Motors ONLY (Code 21= \*EY,\*JY). For TEFC motors (Code 21= \*HY,\*KY) contact Daikin Applied.

# **Section A2- Outdoor/Return/Heat Recovery Air Section** **Low Leak Damper Detail, Part No. 110905001 (Ref. #12, 12A)** **Damper, Actuator (ACT3 - OA Damper AND ACT 4 - RA Damper)** **MicroTech II Units (Code 12= \*D, \*S)**

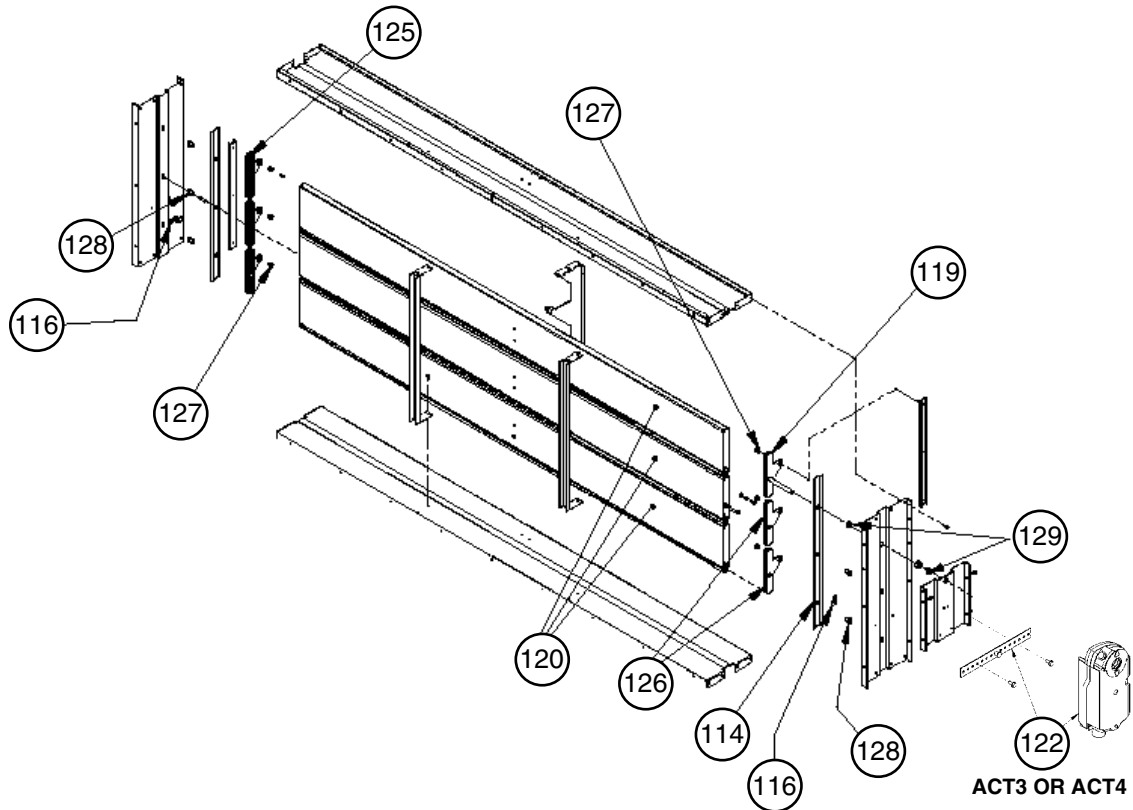


Ref No.	Part Description	Part Number	Qty.
	Complete Assy w/ Actuator	110905001	
	Complete Assy- Less Actuator	098314201	
114	Seal- End	043734303	2
116	Stop- Damper	047110101	2
119	End Plug	057783404	1
120	Blade- Damper	047793306	3
122	Actuator- ACT3 OR ACT4 <sup>1</sup> 24V	060019501	1
125	End Plug	041003508	3
126	End Plug	041003509	2
127	Bushing- Linkage	046098300	6
128	Bushing- Damper Blade	043730400	5
129	Shaft- Drive	047334000	2
N/S	Gasket- Vinyl 84" L	044193127	3
N/S	Gasket- Vinyl 80" L	055940216	1

N/S= Not Shown on diagram.

<sup>1</sup> ACT3 is used on the Outside Air Damper for all control options when Code 20= 1E, 2E, 3E). ACT4 is used on the Return Air Damper for units with an Economizer (Code 20= 3E).

# **Section A2- Outdoor/Return/Heat Recovery Air Section** **Low Leak Damper Detail, Part No. 110905001 (Ref. #12, 12A)** **Damper, Actuator (ACT3 - OA Damper AND ACT 4 - RA Damper)** **MicroTech III Units (Code 12= \*E, \*F, \*W)**



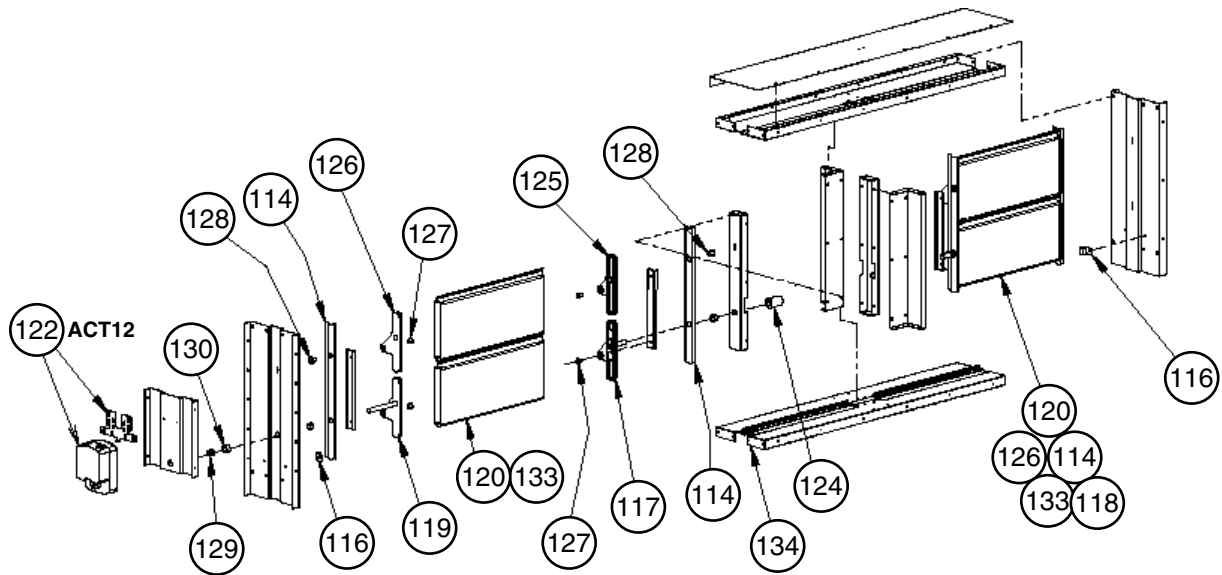
Ref No.	Part Description	Part Number	Qty.
	Complete Assy. w/ Actuator	110905009	
	Complete Assy. w/o Actuator	251868001	
114	Seal- End	043734303	2
116	Stop- Damper	047110101	2
119	End Plug	057783404	1
120	Blade- Damper	047793306	3
122	Actuator- ACT3 <sup>1, 2</sup> 24V	113139501	1
	Actuator- ACT4 <sup>1</sup> 24V	113139601	1
125	End Plug	041003508	3
126	End Plug	041003509	2
127	Bushing- Linkage	046098300	6
128	Bushing- Damper Blade	043730400	5
129	Shaft- Drive	047334000	2
N/S	Gasket- Vinyl 84" L	044193127	3
N/S	Gasket- Vinyl 80" L	055940216	1

N/S= Not Shown on diagram.

<sup>1</sup> ACT3 is used on the Outside Air Damper for all control options when Code 20= 1E, 2E, 3E. ACT4 is used on the Return Air Damper for units with an Economizer (Code 20= 3E).

<sup>2</sup> This is a replacement actuator. When replacing an original actuator, minor field modifications may be required for proper installation.

**Section A2- Outdoor/Return/Heat Recovery Air Section**  
**Low Leak Bypass Damper Detail, Part No. 110919901 (Ref. #230)**  
**Damper, Actuator (ACT12)**  
**Economizer Units (Code 21= 3E)**  
**MicroTech II Units (Code 12= \*D, \*S)**



Ref No.	Part Description	Part Number	Qty.
	Complete Assy. w/ Actuator	110919901	
	Complete Assy. w/o Actuator	098314301	
114	Seal- End	043734313	4
116	Stop- Damper	047110101	2
117	End Plug	111062001	1
118	End Plug	111062201	1
119	End Plug	057783404	1
120	Blade- Damper	047793307	4
122	Actuator- ACT12 24V	111053401	1
124	Coupling- Shaft	111045001	1
125	End Plug	041003508	3
126	End Plug	041003509	2
127	Bushing- Linkage	046098300	8
128	Bushing- Damper Blade	043730400	5
129	Shaft- Drive	043734000	4
130	Lock Collar .50	049115902	1
133	Gasket- Vinyl 17" L	044193134	4
134	Gasket- Vinyl 17" L	055940217	2

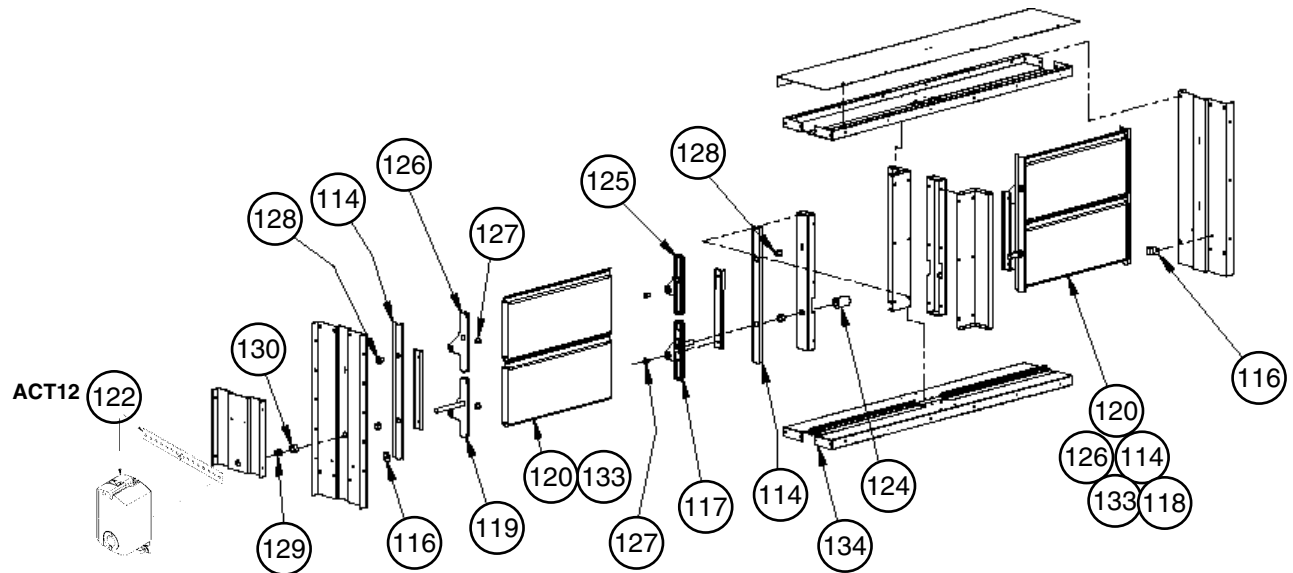
# Section A2- Outdoor/Return/Heat Recovery Air Section

## Low Leak Bypass Damper Detail, Part No. 110919901 (Ref. #230)

### Damper, Actuator (ACT12)

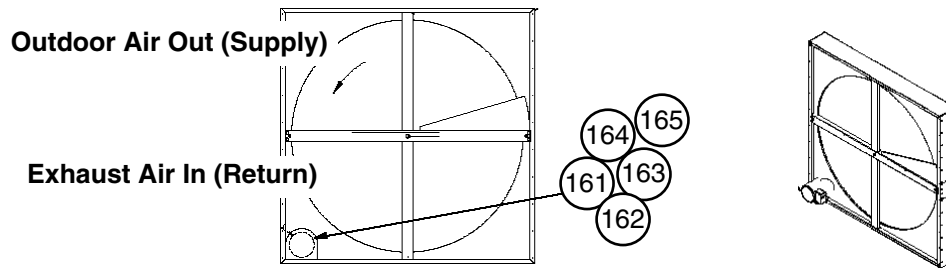
### Economizer Units (Code 21= 3E)

### MicroTech III Units (Code 12= \*E, \*F, \*W)



Ref No.	Part Description	Part Number	Qty.
	Complete Assy. w/ Actuator	110919909	
	Complete Assy. w/o Actuator	251868401	
114	Seal- End	043734313	4
116	Stop- Damper	047110101	2
117	End Plug	111062001	1
118	End Plug	111062201	1
119	End Plug	057783404	1
120	Blade- Damper	047793307	4
122	Actuator ACT12 24V	113145001	1
124	Coupling- Shaft	111045001	1
125	End Plug	041003508	3
126	End Plug	041003509	2
127	Bushing- Linkage	046098300	8
128	Bushing- Damper Blade	043730400	5
129	Shaft- Drive	043734000	4
130	Lock Collar .50	049115902	1
133	Gasket- Vinyl 17" L	044193134	4
134	Gasket- Vinyl 17" L	055940217	2

# **Section A2- Outdoor/Return/Heat Recovery Air Section** **Heat Recovery/Enthalpy Wheel Detail (Ref. #160)** **Wheel, Motor, Drive Components, Seals**



Ref No.	Part Description	Part Number	Qty.
	Wheel Assy- Complete 208/230/460V <sup>1</sup>	060019601	
	Wheel Assy- Complete 575V <sup>1</sup>	060019602	
	Wheel Segmented <sup>2</sup>	300043255	1
161	Motor (Before 12/06) 208/230/460V	111047801	1
	Motor (Before 12/06) 575V	111047901	1
	Motor (After 12/06) 208/230/460V	300043698	1
	Motor (After 12/06) 575V	300043256	1
162	Sheave 208/230/460V	111048001	1
	Sheave 575V	300043257	1
163	Bearing	300043248	2
164	Shaft 1" x 7.7"	300043254	1
165	Belt, 16.1 foot length	300043251	1
N/S	Inner Seal- 9 foot length	300043252	2
N/S	Outer Seal- 9 foot length	300043252	2

N/S= Not Shown on diagram.

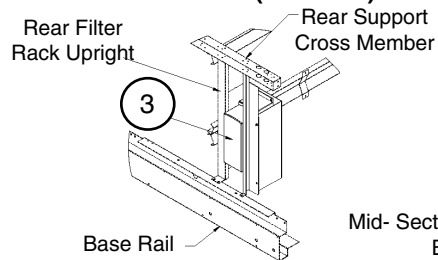
<sup>1</sup> Includes Motor, Shaft, Belt, etc.

<sup>2</sup> If a replacement Wheel is required, it is suggested that this part number be used. The Segmented Wheel ships disassembled which allows for easier shipping and installation.

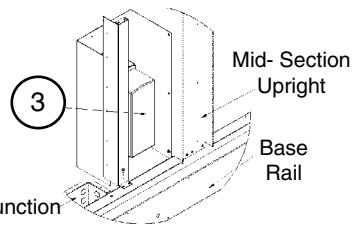
# Section A2- Outdoor/Return/Heat Recovery Air Section

## AFD60 Frost Protection Inverter (Code 24= F)

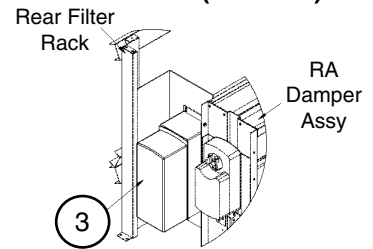
**100% OA Low Flow (C20= 1E)**



**100% OA Hi Flow (C20= 2E)**



**Economizer (C20= 3E)**



Ref No	Sch Sym	Part Description	Part Number	Voltage			
				208V	230V	460V	575V
3	AFD60	Inverter Code 15= S, Q	193475806 <sup>1</sup>	1	1		
	AFD60	Inverter Code 15= S, Q	193475822 <sup>1</sup>			1	
	AFD60	Inverter Code 15= S, Q	349956738 <sup>1</sup>				1

<sup>1</sup> In 2010 the original ATV21 Inverters were replaced with ATV212 Inverters as listed above. These new Inverters are drop in replacements with the exception of the Remote Keypad and Communication Cards. If a Communication card or Remote Keypad is required, contact Daikin Applied with model and serial number information so that the correct part can be identified.

Ref No	Sch Sym	Part Description	Part Number	Voltage			
				208V	230V	460V	575V
3	AFD60	Inverter <sup>2, 3</sup> Code 15= A, B	193552245	1	1		
	AFD60	Inverter <sup>2, 3</sup> Code 15= A, B	193552295			1	
	AFD60	Inverter <sup>2, 3</sup> Code 15= A, B	193552397				1

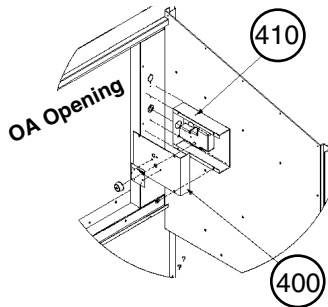
<sup>2</sup> The replacement AFD Keypad is p/n 300040924.

<sup>3</sup> For the fusing for AFD60, refer to the "Energy Recovery Wheel Contactors, MMPs, & Fusing 06/13 & Later" page in Section N.

# Section A2- Outdoor/Return/Heat Recovery Air Section

## Section Mounted Controls

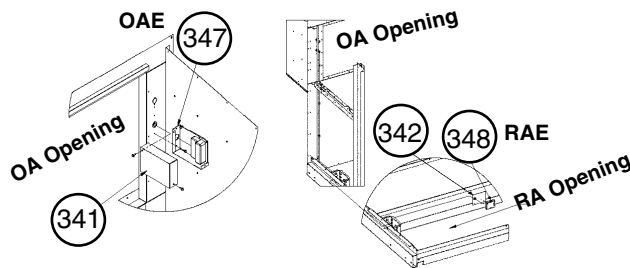
### OAE, RAE, RAT, EAT, LAT



#### OAE- Mechanical Enthalpy (Code 17= Y\*)

Ref No.	Part Description	Part Number	Qty.
400	Mount- OAE Enthalpy	1	1
410	Control OAE	1	1

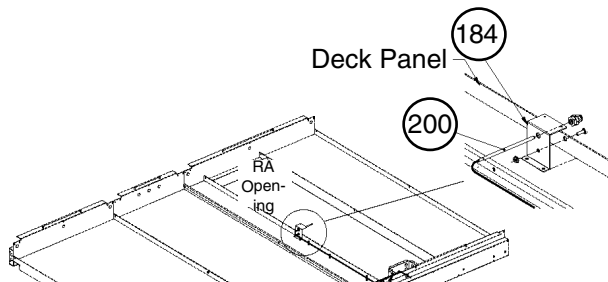
<sup>1</sup> The original control is obsolete & no longer available. For the OAE Control use p/n 113103601 & Mount 910146257. Minor field modifications are required for proper installation & operation when changing to the newer design.



#### OAE & RAE Differential Enthalpy (Code 17= C\*)

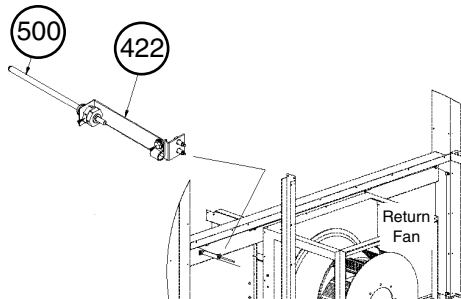
Ref No.	Part Description	Part Number	Qty.
341	Mount- OAE Enthalpy	2	1
347	Control- OAE	2	1
342	Mount- RAE Enthalpy	2	1
348	Control- RAE	2	1

<sup>2</sup> Note that BOTH original controls are obsolete & no longer available. For the OAE Control use 113103601 & Mount p/n 910146257. For the RAE Control use 113103701 & Mount p/n 055732301. When changing one of the older style controls BOTH CONTROLS MUST BE CHANGED TO THE NEWER VERSION since the old and new parts are NOT compatible with each other. Also, minor field modifications are required for proper installation & operation when changing to the newer design.



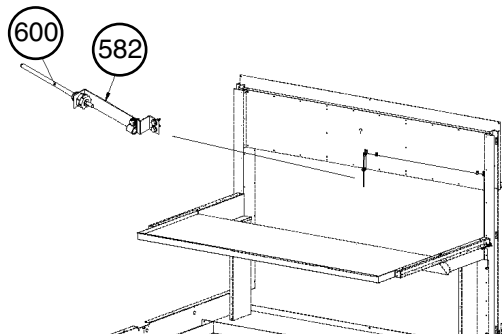
#### RAT- Outdoor Air Temperature Sensor

Ref No.	Part Description	Part Number	Qty.
184	Support- RAT	111077601	1
200	Sensor- RAT		
	MicroTech II Controls	060004705	1
	MicroTech III Controls	193414602	1



#### EAT- Entering Air Temperature Sensor

Ref No.	Part Description	Part Number	Qty.
422	Support- EAT	111078001	1
500	Sensor- EAT		
	MicroTech II Controls	060004705	1
	MicroTech III Controls	193414602	1



#### LAT- Leaving Air Temperature Sensor

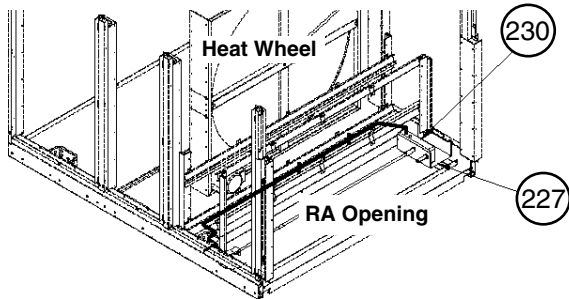
Ref No.	Part Description	Part Number	Qty.
582	Support- LAT	111075901	1
600	Sensor- LAT		
	MicroTech II Controls	060004705	1
	MicroTech III Controls	193414602	1



# Section A2- Outdoor/Return/Heat Recovery Air Section

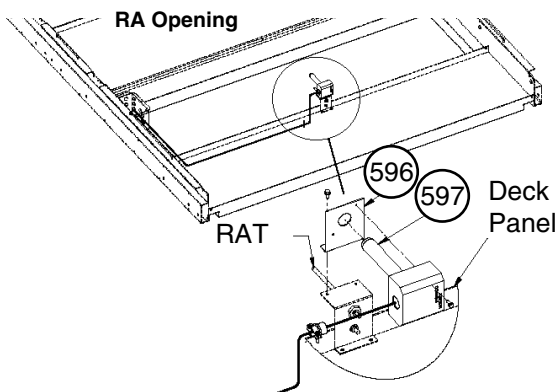
## Section Mounted Controls

### SD2, HUM1, LT11, S11, REC11



**SD2- Return Air Smoke Detector**  
Code 16= 1, 3

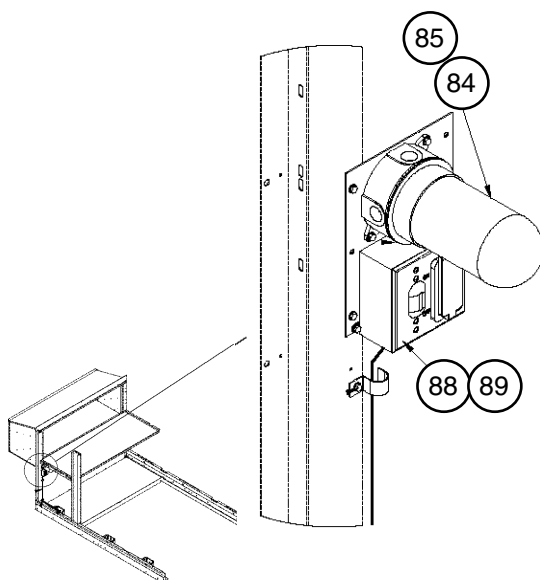
Ref No.	Part Description	Part Number	Qty.
227	Support- SD2	111079701	1
230	Smoke Detector- SD2	098873101	1



**HUM1- Humidistat (units with frost protection)**  
Code 24= F

Ref No.	Part Description	Part Number	Qty.
596	Support- HUM1	111078101	1
597	Humidistat- HUM1	067295001 <sup>1</sup>	1

<sup>1</sup> This is the duct mounted Humidistat. If a unit has a wall mounted Humidistat use p/n 067294901.

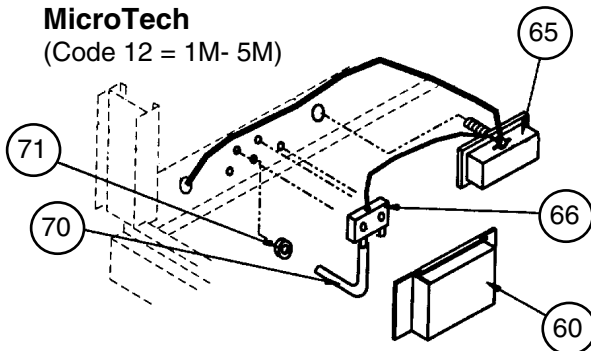


**LT11- Return Fan Light/S11- Return Fan Light Switch/REC11- Return Fan Light Receptacle**  
Code 49= E, F

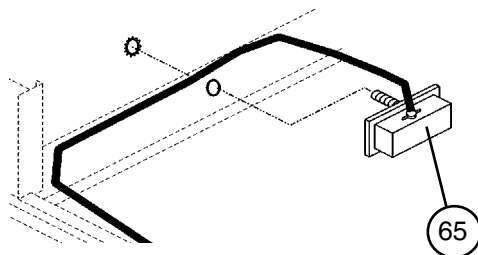
Ref No.	Part Description	Part Number	Qty.
84	Light Fixture	042229500	1
85	Bulb- LT11	065492402	1
88	Light Switch- S11	065492201	1
89	Receptacle- REC11	030187000	1

Codes 19 and 20 determine the Return Air section which has an effect on the final assembly panels.

**MicroTech**  
(Code 12 = 1M- 5M)



**MicroTech II OR III**  
(Code 12 = \*D, \*S, \*E, \*F, \*W)

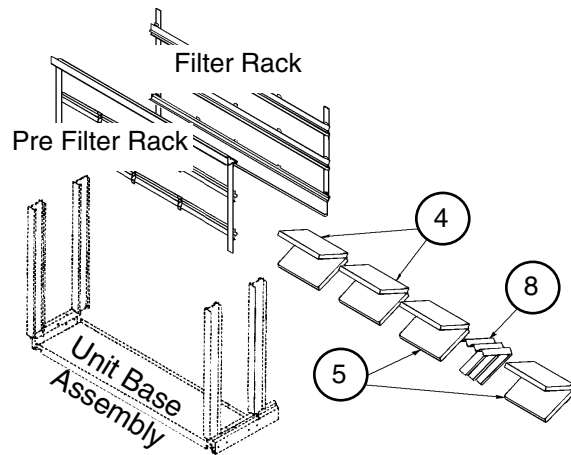


## Section B- Draw-thru Filter Section

### Filter Section & Air Blender <sup>1</sup>

#### Angular Filter Section Parts

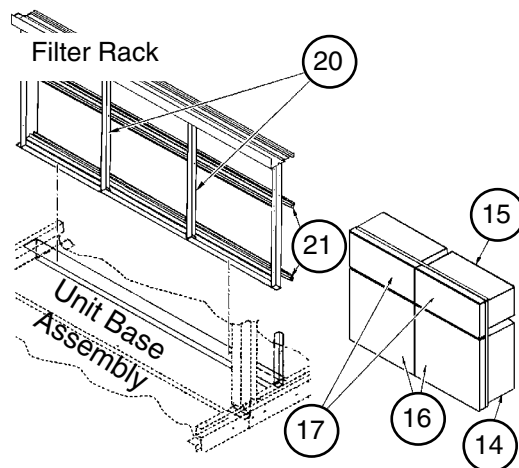
(Code 25= AA, AB, AC)



Ref. No.	Part Description	Code 25=	Part Number	Qty.
4	Filter			
	Throwaway	AA	000016100	10
	30% Pleated	AB	031298002	10
	30% w/intersept	AC	111046306	10
5	Pre- Filter			
	Throwaway	AA	000011700	10
	30% Pleated	AB	031298001	10
	30% w/intersept	AC	111046305	10
8	Media Filler Piece		011484101	5

#### Flat Filter Section Parts

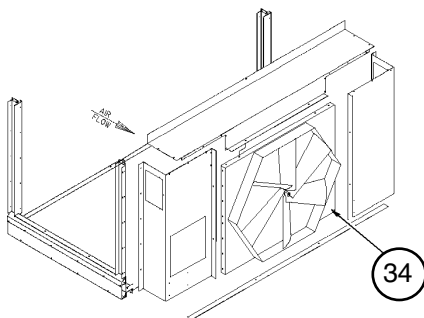
(Code 25= FE, FD)



Ref. No.	Part Description	Code 25=	Part Number	Qty.
14	Filter			
	65% Cartridge	FD	065810704	4
	95% Cartridge	FE	065810702	4
15	Filter			
	65% Cartridge	FD	065810703	4
	95% Cartridge	FE	065810701	4
16	Pre Filter			
	Until 1/00		029218000	4
	1/00 to 3/02		031298006	4
	3/02 & later		111046101	4
17	Pre Filter			
	Until 1/00		029217900	4
	1/00 to 3/02		031298005	4
	3/02 & later		111046103	4
20	Gasket		026172804	2
21	Gasket		056001104	4

#### Air Blender

(Code 25= DB, DC, GD, GE, HD, HE, EB, EC)



Ref. No.	Part Description	Code 25=	Part Number	Qty.
34	Air Blender			
	Low CFM	GD, GE, DB, DC	205139536	1
	High CFM	HD, HE, EB, EC	205139542	1

<sup>1</sup> These are the most common filters offered. For filters not listed above, contact Daikin Applied with model and serial number information so that the correct filters can be identified.

## Section C- Draw-Thru Blank Access Section OR Separate Inverter Section

### Notes



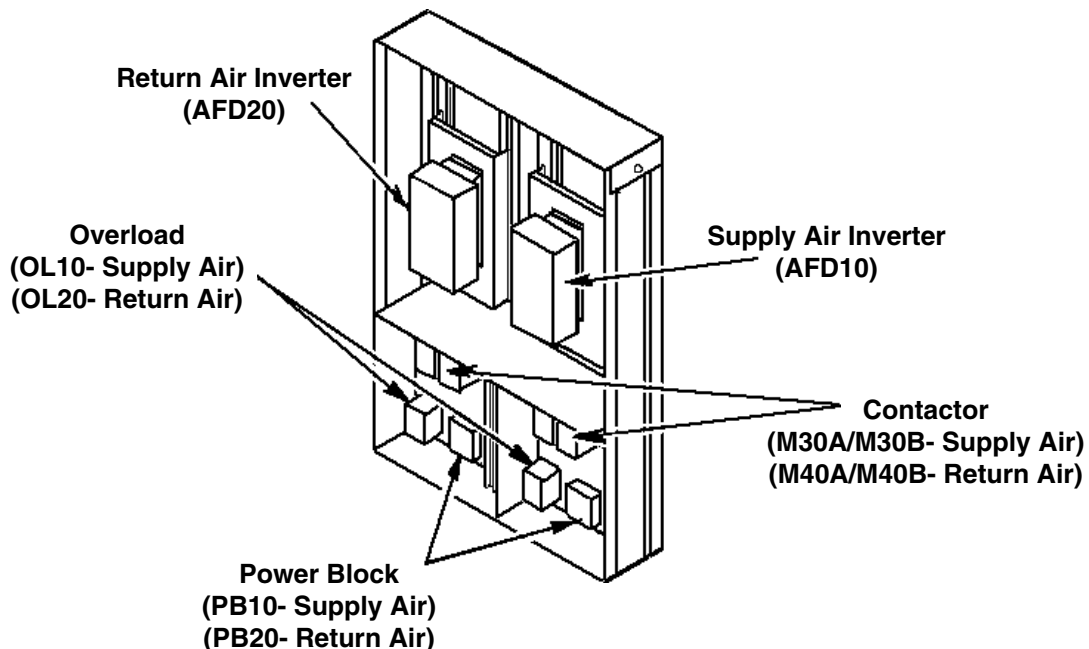
Primary Codes that pertain: 26, 14, 15

Additional Codes that pertain: 06

Code 26 determines if a section is installed and if so, the size of the section. If Code 26= S the section is 40" (this code is also necessary if the inverters are installed in this section). If Code 26= T the section is 52". If Code 26= Y, there is no section.

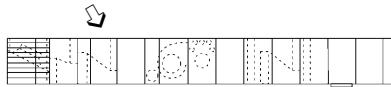
Codes 14 & 15 determine if the unit has inverter(s) and if so where they are installed. If Code 14= 1, 2, 4 AND Code 26= S, there is a separate Inverter Section. If Code 14= 3, 5, 6, 7, 8, 9, the inverter(s) are installed in the Supply Air Section. If Code 14= Y, there are no inverters. Code 15 determines the inverter vendor. An Inverter with Bypass is shown below (the illustration shows the Inverter Bypass Box used until 3/05). **All components pertaining to the inverter(s) (VFD/AFD) are listed in the Supply Air Section (Section F).**

Code 06 determines the liners and insulation, and will affect the final assembly panels. **For sheet metal components that make up the Draw-Thru Blank Access OR Separate Inverter Section, contact Daikin Applied to ensure correct liners, insulation and hardware are ordered.**



# Section D- Draw-Thru Cooling/Heating Section

## Notes



Primary Codes that pertain: 03, 27, 28, 29

Additional Codes that pertain: 06

**NOTE:** Section D applies to all applications for unit size 802. The 800 unit will have a section D for any unit that has a *Unit* Cooling AND Heating Coil OR a *Contractor* Coil. However, if the 800 has a *Unit* Cooling Coil ONLY, that coil will be mounted in the Supply Air Section (Section F). The parts and components will, however, be listed in this section.

RDS800C and 802C Rooftops offer a choice of *Contractor* Coils or *Unit* Coils.

The "*Unit*" coil is designed for a specific air handling Unit to provide maximum coil face area. It has specially designed coil casings and 90 degree coil connections to accomplish this.

"*Contractor* Coils" are offered in multiple fin heights to allow the user to select the coil size to match the air flow. *Contractor* Coils generally offer a wider range of circuitings, rows and fins, and materials than the *Unit* Coil. It is important to note that *Contractor* Coils are ordered as separate line items on the GO (General Order), so they DO NOT have orderable part numbers. Refer to the following page for more information regarding replacing *Contractor* Coils.

Code 03 determines the face area of a *Unit* Cooling Coil. If a *Unit* Coil is present Code 03 will always = L.

Code 27 determines if there is a Section D. If Code 27= YYYY, then there is no section. If the code is C\*YY, C\*YS then there is a *Unit* Cooling Coil and Drain Pan (the "S" means the Drain Pan is stainless steel, a "Y" in the fourth position indicates that the Drain Pan is galvanized steel). If Code 27= BYYY, BYYS then there is a *Unit* cooling and heating section with a Drain Pan. If Code 27= DYYY, DYYS, then the section contains only a Drain Pan (the "S" means the Drain Pan is stainless steel, a "Y" in the fourth position indicates that the Drain Pan is galvanized steel). If Code 27 begins with an "A" (example A8YS) then the section is set up for a *Contractor* Coil.

Code 28 applies only if Code 27= C\*YS, C\*YY, BYYY, BYYS and determines the *Unit* Cooling Coil characteristics.

Code 29 will apply only if Code 27= BYYY, BYYS and determines the *Unit* Heating Coil characteristics.

Code 06 determines the liners and insulation, and will affect the final assembly panels. **For sheet metal components that make up the Draw-Thru Cooling/Heating Section, contact Daikin Applied to ensure correct liners, insulation and hardware are ordered.**

# Section D- Draw-Thru Cooling/Heating Section

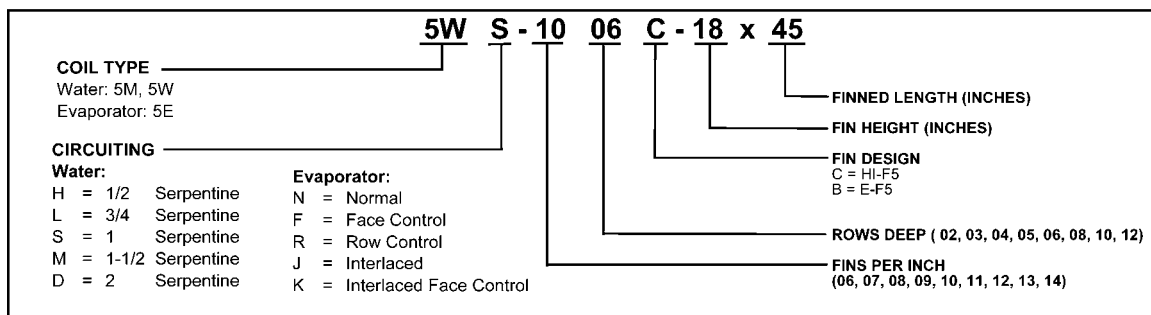
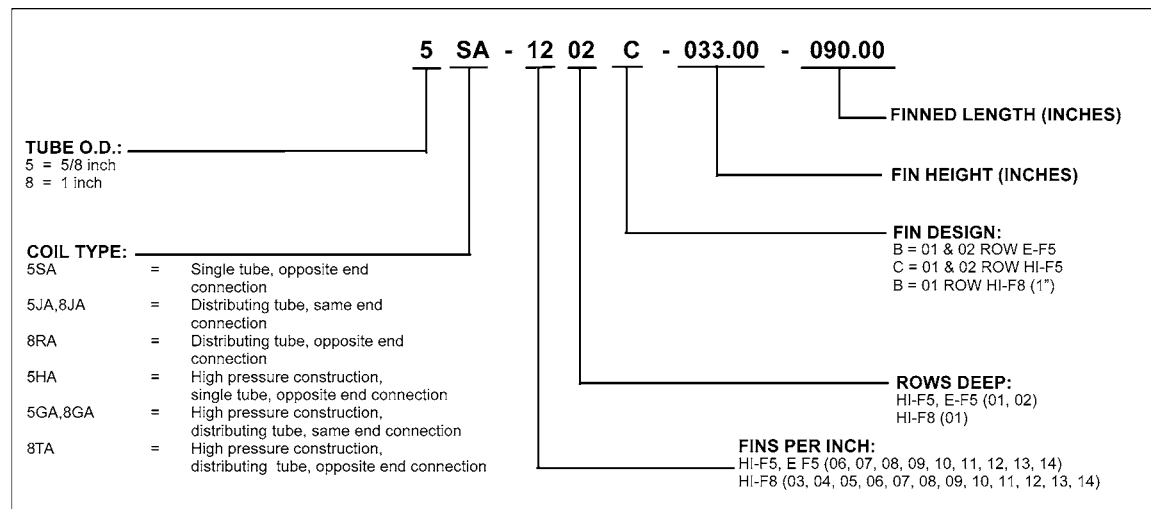
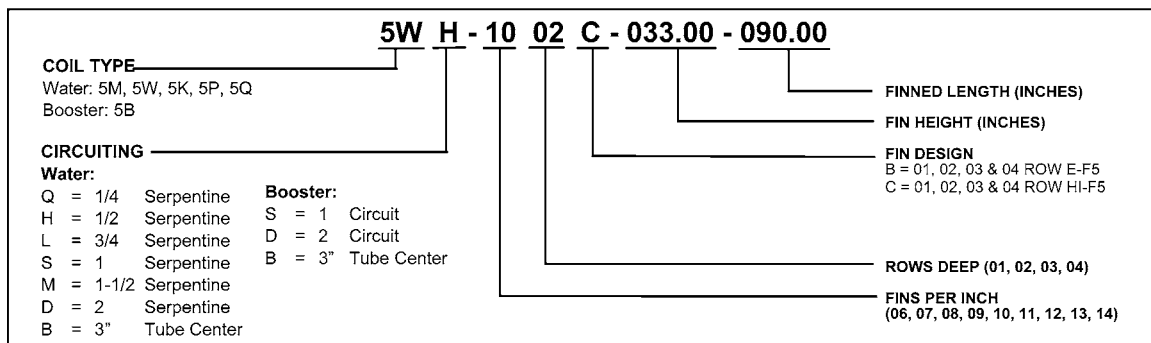
## Option 1: Contractor Coil

### Contractor Coil Code Strings

Note: For a unit to have a *Contractor* Coil installed in the Draw-Thru Cooling/Heating Section, Code 27 MUST begin with an "A" (eg. A8MS). *Contractor* Coils are ordered as SEPARATE LINE ITEMS on the GO (General Order), so they DO NOT have orderable part numbers.

When a replacement *Contractor* Coil is required a Contractor Coil Quote needs to be prepared. To quote a replacement *Contractor* Coil it is necessary to obtain model and serial number information from the unit nameplate and then contact Daikin Applied. If the unit has more than one coil it will be necessary to confirm which coil(s) are needed BEFORE quoting. **Note that the sample code strings shown below are incomplete and DO NOT furnish enough information to correctly quote a *Contractor* Coil. GO and/or serial number information is required in order to properly quote a *Contractor* Coil.**

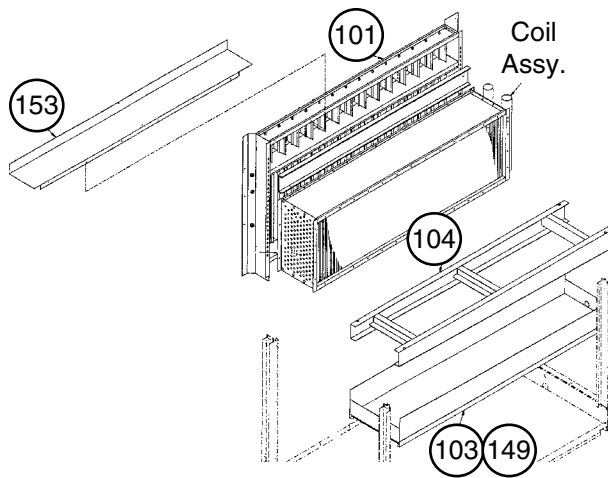
### Contractor Coil Code Strings



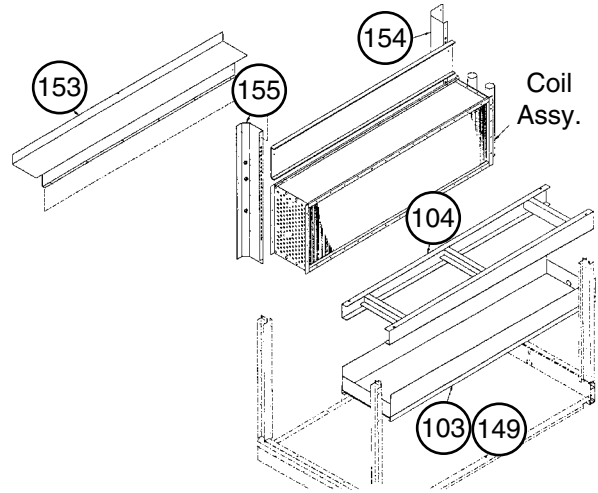
## Section D- Draw- Thru Cooling/Heating Section

### Option 1: Contractor Coil

Code 27= A\*\*, Code 28= YYYYYY AND Code 29= YYYYYY



**Units with Face & Bypass Dampers  
(Code 27= A\*M\*)**



**Units without Face & Bypass Dampers  
(Code 27= A\*Y\*)**

### Contractor Coil Cabinet Parts

Ref. No.	Part Description	Face & Bypass		Qty.
		C27= A*M*	C27= A*Y*	
101	Face & Bypass Damper Assy.	058587201 <sup>1</sup>	Not Used	1
103	Drain Pan			
	Galvanized (Code 27= A**Y)	056280477	056280477	1
	Stainless Steel (Code 27= A**S)	056280427	056280427	1
104	Coil Support	057433802	057433802	1
149	Drain Pan Frame	057165327	057165327	1
153	Top Blockoff	058460801	058458201	1
154	Blockoff Panel	Not Used	058458401	1
155	Blockoff Panel	Not Used	058458301	1

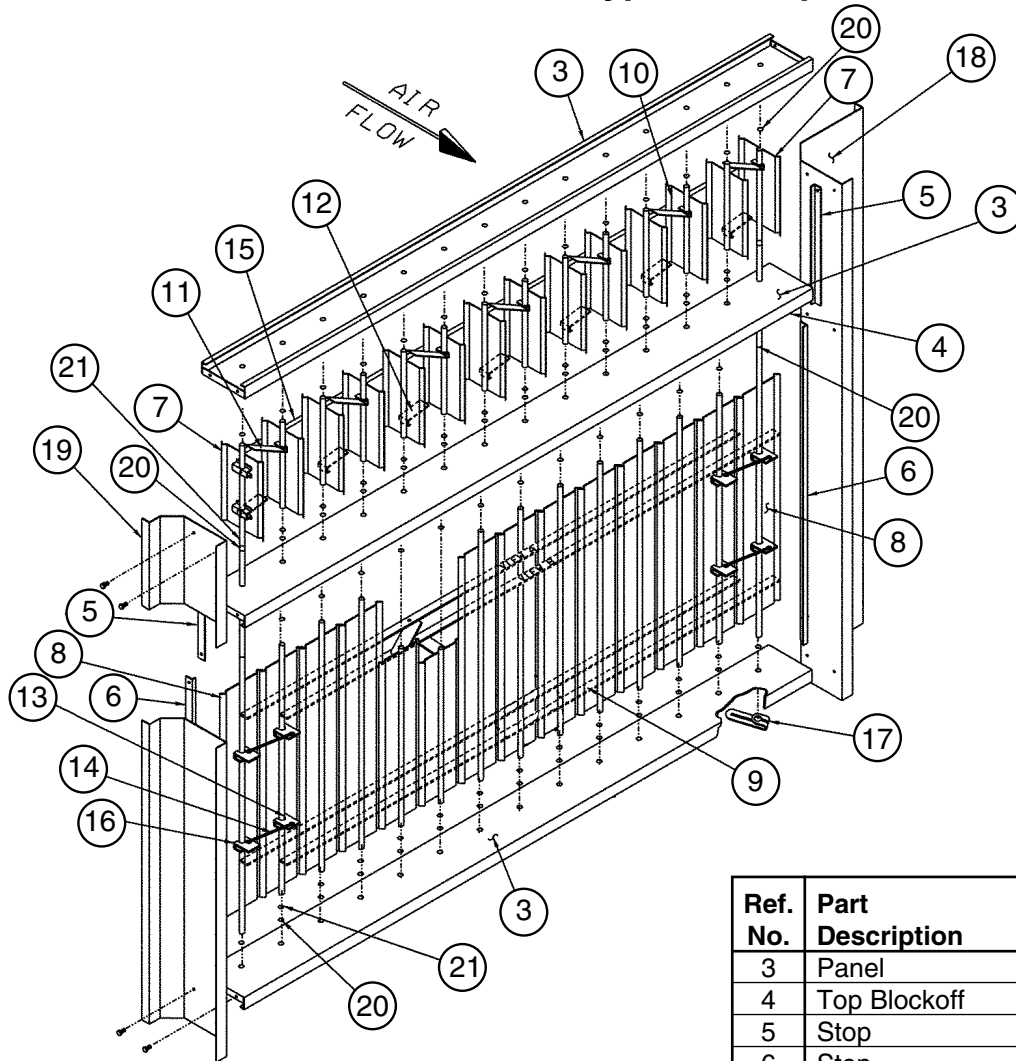
<sup>1</sup> Face & Bypass Damper Parts Detail on next page.

# Section D- Draw- Thru Cooling/Heating Section

Option 1: Contractor Coil

Code 27= A\*M\*, Code 28= YYYYYY AND Code 29= YYYYYY

Face & Bypass Damper



Ref. No.	Part Description	Part Number	Qty.
3	Panel	058461001	3
4	Top Blockoff	058460901	1
5	Stop	034233700	2
6	Stop	034233800	2
7	End Blade	034233900	2
8	Blade	034234200	2
9	Blade	034234100	12
10	Blade	034234000	12
11	Link- RH Blades	033588002	21
12	Link- LH Blades	033588001	21
13	Damper Link	035202202	4
14	Damper Link	035202300	4
15	Blade Linkage	034656400	6
16	Damper Link	035202201	4
17	Crank Arm	025072600	1
18	Blockoff	058458401	1
19	Blockoff	058458301	1
20	Bearing	001113500	56
21	Washer	012830200	28
N/S	Bushing <sup>1</sup>	024218500	50

N/S= Not shown on diagram.

<sup>1</sup> Connects damper links.

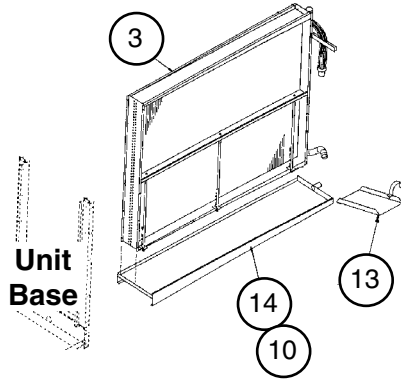


## Section D- Draw-Thru Cooling/Heating Section

### Option 2: Draw-Thru Evaporator Cooling Coil Only

Code 27= CYYY, CYYS AND Code 28= 5Z\*\*\*\* AND Code 29= YYYYYY

Note: This coil is mounted in Section F for unit size 800.



Ref. No.	Part Description	Unit Size		Qty.
		800	802	
3	Coil- see below			
10	Drain Pan			
	Galvanized (C27=CYYY)	056280472	056280475	1
	Stainless Steel (C27= CYYS)	056280422	056280425	1
13	Auxiliary Drain Pan	058586803 <sup>1</sup>	043800200	1
14	Drain Pan Frame	057165324	057165325	1

<sup>1</sup> Prior to 12/06 p/n was 058586802.

### Coils (Code 27= CYYY, CYYS AND Code 28= 5Z\*\*\*\*)

Evaporator Coils are serial number specific. Please contact Daikin Applied with complete model and serial number information so that the correct coil can be identified.

#### Coil Description

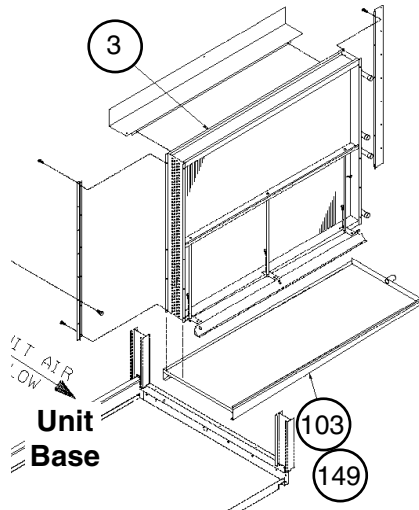
5Z	08	3	H
Coil Model			
Fins-per-inch			
08= 8 FPI			
10= 10 FPI			
12= 12 FPI			
Rows			
3= 3 Row Coil			
4= 4 Row Coil			
5= 5 Row Coil			
Fin Stock			
H= Aluminum (.0060)			
J= Aluminum (.0075)			

## Section D- Draw-Thru Cooling/Heating Section

### Option 3: Draw-Thru Chilled Water Cooling Coil Only

**C27= CYYY, CYYS AND C28= 5H\*\*\*\*, 5L\*\*\*\*, 5S\*\*\*\*, AND C29= YYYYYY**

**Note: This coil is mounted in Section F for unit size 800.**



Ref. No.	Part Description	Unit Size		Qty.
		800	802	
3	Coil- see below			
103	Drain Pan			
	Galvanized (C27=CYYY)	056280472	056280471	1
	Stainless Steel (C27= CYYS)	056280422	056280421	1
149	Drain Pan Frame	057165322	057165321	1

### Coils (Code 27= CYYY, CYYS AND Code 28= 5H\*\*\*\*, 5L\*\*\*\*, 5S\*\*\*\*)

Chilled Water Coils are serial number specific. Please contact Daikin Applied with complete model and serial number information so that the correct coil can be identified.

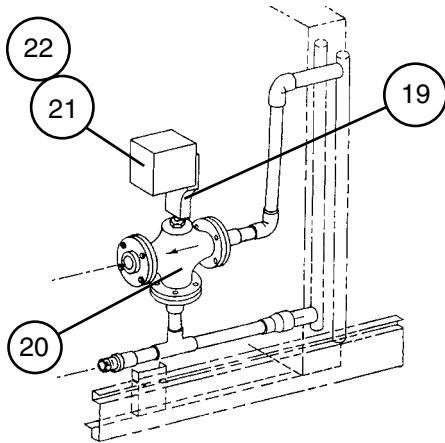
#### Coil Description

<b>5L</b>	<b>08</b>	<b>3</b>	<b>J</b>	
				Fin Stock
				J= Aluminum
				Rows
				3= 3 Row Coil
				4= 4 Row Coil
				5= 5 Row Coil
				6= 6 Row Coil
				Fins-per-inch
				06= 6 FPI
				08= 8 FPI
				10= 10 FPI
				12= 12 FPI
				Coil Model

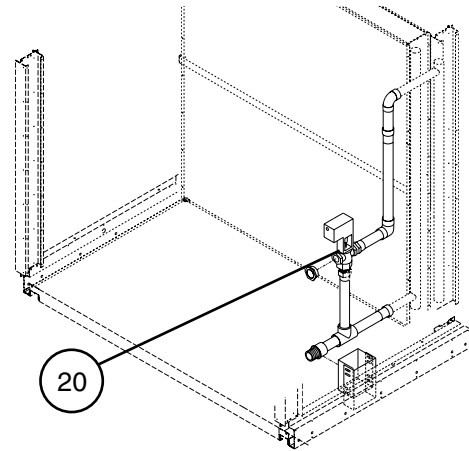
## Section D- Draw-Thru Cooling/Heating Section

### Option 3: Draw-Thru Chilled Water Cooling Coil Only

### VM5 Valve Package



**Valve- Chilled Water Coil  
12/08 & Earlier**

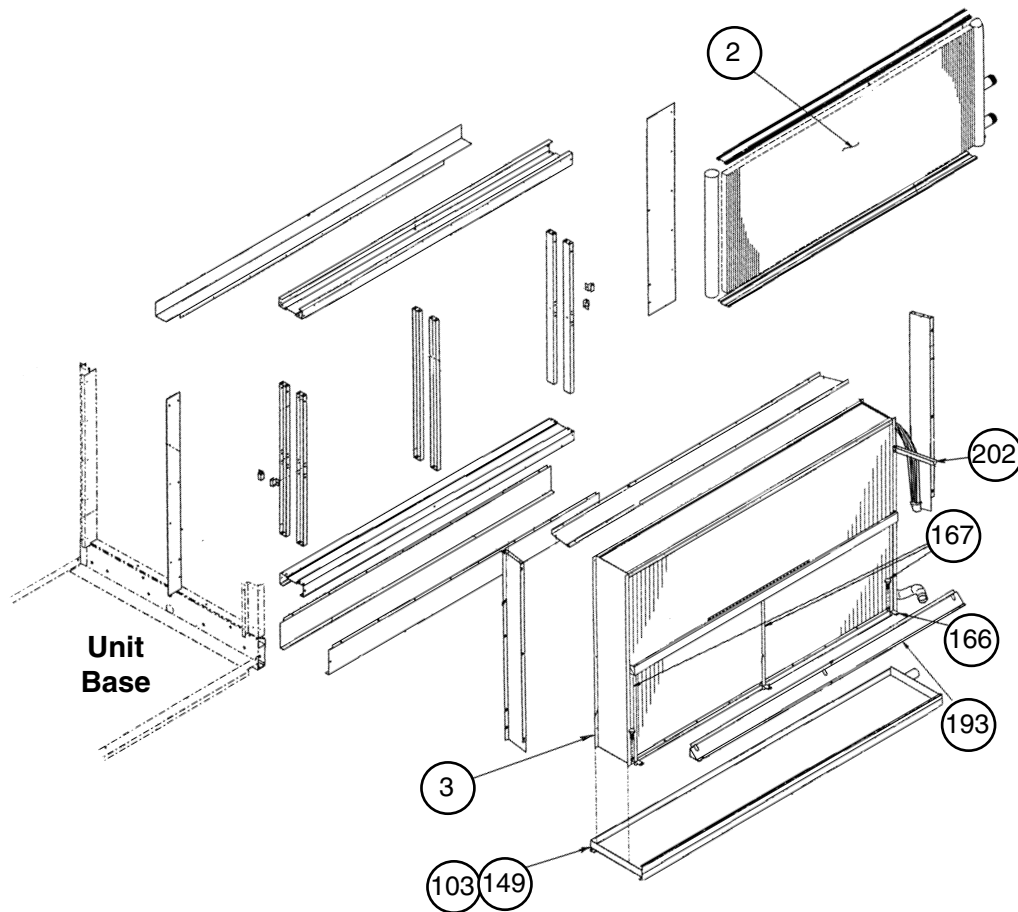


**Valve- Chilled Water Coil  
1/09 & Later**

Ref No	Sch Sym	Part Description	Part Number	Qty.
		<b>Valve- Chilled Water Coil 12/08 &amp; Earlier</b>		
19		Linkage	073365601	1
20		Valve		
		1.25" (Code 27= CE**, BE**)	028505203	1
		1.50" (Code 27= CF**, BF**)	028505204	1
		2.00" (Code 27= CG**, BG**)	028505205	1
		2.50" (Code 27= CH**, BH**)	031004901	1
21		Adapter Bracket	066534806	1
22	VM5	Actuator- Valve	066534807	1
		<b>Valve- Chilled Water Coil 1/09 &amp; Later</b>		
20	VM5	Valve/Actuator Assy. 3 Way		
		1.25" (Code 27= CE**, BE**)	113146801	1
		1.50" (Code 27= CF**, BF**)	113146901	1
		2.00" (Code 27= CG**, BG**)	113147001	1
		2.50" (Code 27= CH**, BH**)	113147101	1

## Section D- Draw-Thru Cooling/Heating Section

**Option 4: Draw-Thru Combination Evaporator Coil w/HW OR Steam Heat**  
**Code 27= BYYY, BYYS AND Code 28= 5Z\*\*\*\* AND Code 29= 5H\*\*\*\*, 5S\*\*\*\*, 5J\*\*\*\***



Ref. No.	Part Description	Unit Size		Qty.
		800	802	
2	Heating Coil			
	C29= 5H091H 1 Row Hot Water	1	1	1
	C29= 5S0902J 2 Row Hot Water	1	1	1
	C29= 5J061H 1 Row Steam	1	1	1
	C29= 5J121H 1 Row Steam	1	1	1
3	Evap Coil- see list 3 pages prior			
103	Drain Pan- Galvanized (C27= BYYY)	056280478	056280479	1
	Drain Pan- Stainless (C27= BYYS)	056280428	056280429	1
149	Drain Pan Frame	057165326	057165326	1
166	Drip Tube Support	056265701	056265701	3
167	Drip Tube	012192720	012192720	3
193	Splash Guard	058576101	058576101	1
202	Gasket			
	Until 3/02	020857422	020857422	4
	3/02 & Later	021911422	021911422	4

<sup>1</sup> HW & Steam Coils are serial number specific. Please contact Daikin Applied with complete model and serial number information so that the correct coil can be identified.

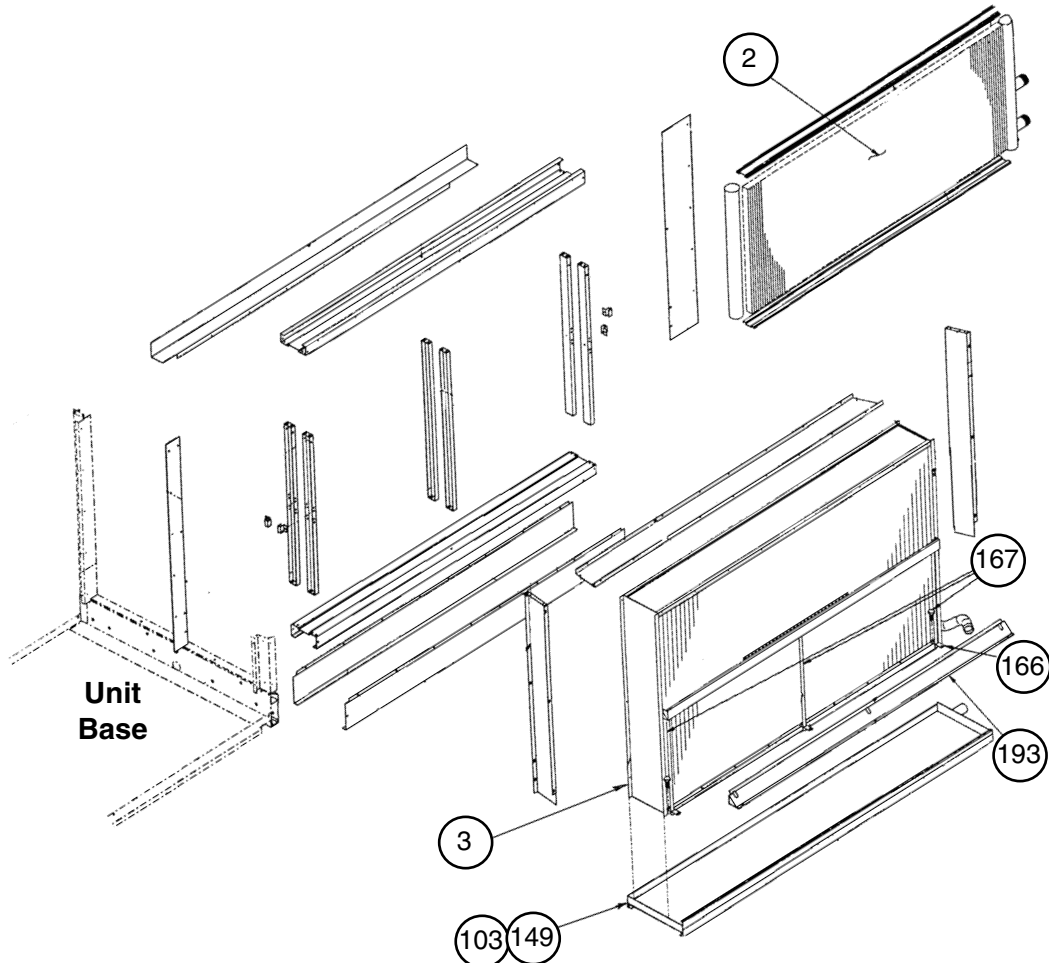
## Section D- Draw-Thru Cooling/Heating Section

### Option 5: Draw-Thru Combination

#### Chilled Water Coil w/HW OR Steam Heat

Code 27= BYYY, BYYS AND Code 28= 5H\*\*\*\*, 5L\*\*\*\*, 5S\*\*\*\*

AND Code 29= 5H\*\*\*\*, 5S\*\*\*\*, 5J\*\*\*\*



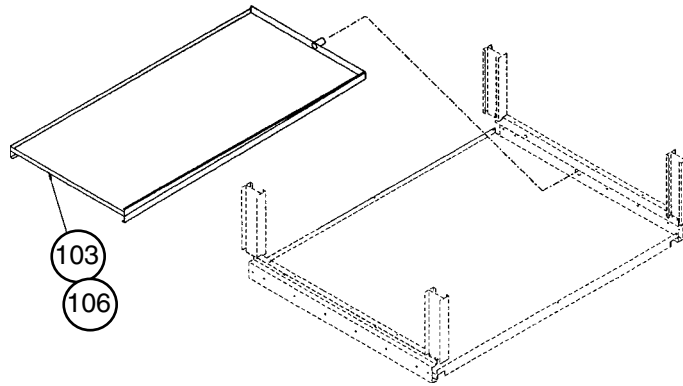
Ref. No.	Part Description	Unit Size		Qty.
		800	802	
2	Heating Coil			
	C29= 5H091H 1 Row Hot Water	1	1	1
	C29= 5S0902J 2 Row Hot Water	1	1	1
	C29= 5J061H 1 Row Steam	1	1	1
	C29= 5J121H 1 Row Steam	1	1	1
3	CW Coil- see list 4 pages prior			
103	Drain Pan- Galvanized (C27= BYYY)	056280478	056280479	1
	Drain Pan- Stainless (C27= BYYS)	056280428	056280429	1
149	Drain Pan Frame	057165326	057165326	1
166	Drip Tube Support	056265701	056265701	3
167	Drip Tube	012192720	012192720	3
193	Splash Guard	058576101	058576101	1

<sup>1</sup> HW & Steam Coils are serial number specific. Please contact Daikin Applied with complete model and serial number information so that the correct coil can be identified.

## Section D- Draw-Thru Cooling/Heating Section

### Option 6: Drain Pan Only

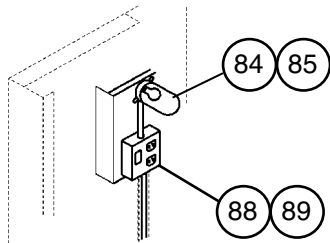
Code 27= DYYY, DYYs AND Code 28= YYYYYY, Code 29= YYYYYY



#### Drain Pan & Frame

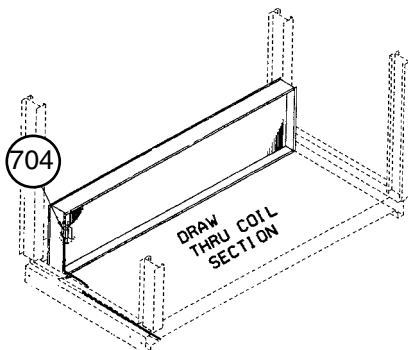
Ref. No.	Part Description	Drain Pan Material Code 27=		Qty.
		DYYY- Galvanized	DYYs- Stainless	
103	Drain Pan	056280471	056280421	1
106	Frame	057165321	057165321	1

## Section Mounted Controls LT21, S21, REC21, FS1, FS2



LT21- DT Cooling, Heating Light/S21- DT Cooling, Heating Section Light Switch/REC21- DT Cooling, Heating Section Receptacle.

Ref No.	Part Description	Part Number	Qty.
84	Light Fixture	042229500	1
85	Bulb- LT21	065492402	1
88	Light Switch- S21	065492201	1
89	Receptacle- REC21	030187000	1



#### FS1, FS2- Freezestat

Ref No.	Part Description	Part Number	Qty.
704	Freezestat- FS1, FS2 <sup>1</sup>	072502001	1

<sup>1</sup> Note that the original Freezestat used 4/01 & Earlier is obsolete and no longer available.

## Section E- Draw-Thru Heat OR Blank Access Section

### Notes



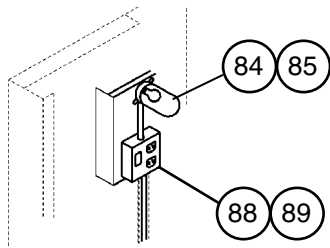
Primary Codes that pertain: 30  
Additional Codes that pertain: 06

Code 30 determines all of the section characteristics. If Code 30= BBBBBB there is a blank 40" section. If Code 30= W11\*\*\*, W22\*\*\* there is a Hot Water Coil installed. If Code 30= S11\*\*\*, S12\*\*\* there is a Steam Coil installed. If Code 30= YYYYYY, there is no section.

Code 06 determines the liners and insulation, and will affect the final assembly panels. **For sheet metal components that make up the Draw-Thru Blank Access Section, contact Daikin Applied with model and serial number information to ensure correct liners, insulation and hardware are ordered.**

### Section Mounted Controls

#### LT18, S18, REC18

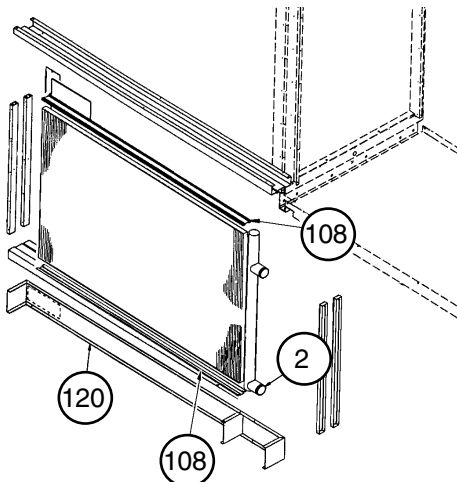


LT18- DT Heat Section Light/S18- DT Heat Section Light Switch/REC18- DT Heat Section Light Receptacle.

Ref No.	Part Description	Part Number	Qty.
84	Light Fixture	042229500	1
85	Bulb- LT18	065492402	1
88	Light Switch- S18	065492201	1
89	Receptacle- REC18	030187000	1

### Hot Water OR Steam Coil Components

#### Code 30= W\*\*\*\*\* OR S\*\*\*\*\*



Hot Water OR Steam Coil Components  
Code 30= S\*\*\*\*\*, W\*\*\*\*\*

Ref No.	Part Description	Part Number	Qty.
2	Coil		
	Steam- 6 FPI/1 Row (C30= S11***)	1	1
	Steam- 12 FPI/1 Row (C30= S12***)	1	1
	Hot Water- 9 FPI/1 Row (C30= W11***)	1	1
	Hot Water- 9 FPI/2 Row (C30= W22***)	1	1
108	Fin Channel (1- Row Coil Only)	066634801	2
120	Bottom Baffle	058466501	1

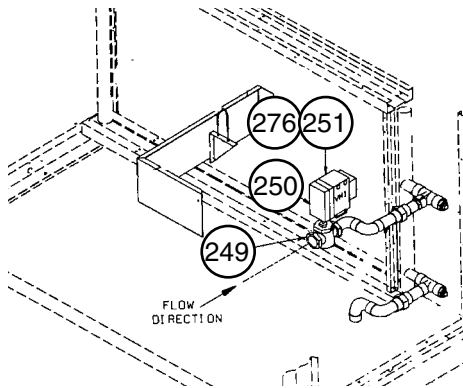
<sup>1</sup> HW & Steam Coils are serial number specific. Please contact Daikin Applied with complete model and serial number information so that the correct coil can be identified.

# Section E- Draw-Thru Heat OR Blank Access Section

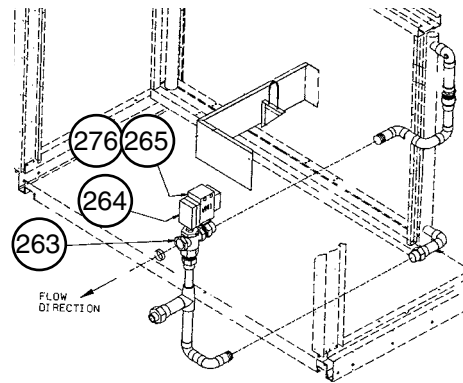
## VM1 Hot Water OR Steam Valves

### Code 30= W\*\*\*\*E OR S\*\*\*\*E

**Steam Coil Units**  
**Code 30= S11\*2E OR S12\*2E**  
**(01/2008 & Earlier) <sup>1</sup>**



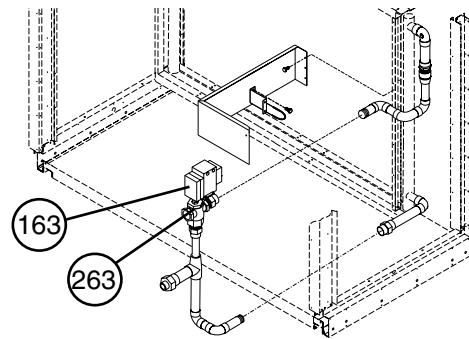
**Hot Water Coil Units**  
**Code 30= W11\*3E OR W22\*3E**  
**(01/2009 & Earlier)**



Ref No.	Part Description	Part Number	Qty.
249	Valve		
	1" (C34= S**D2E)	028047802	1
	1.25" (C34= S**E2E)	028047803	1
	1.5" (C34= S**F2E)	028047804	1
	2" (C34= S**G2E)	028047805	1
250	Linkage	073365601	1
251	Transformer/Motor Assembly	063483401	1
	Transf. Only	067112601	1
	Motor Only (VM1)	066534809	1
276	Adapter	066534806	1

<sup>1</sup> For steam equipped units built 02/2008 & Later contact Daikin Applied.

**Hot Water Coil Units**  
**Code 30= W11\*3E OR W22\*3E**  
**(02/2009 & Later)**



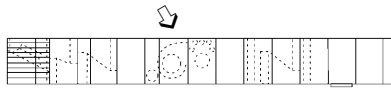
Ref No.	Part Description	Part Number	Qty.
	<b>01/2009 &amp; Earlier</b>		
263	Valve		
	1" (C34= W**D3E)	028505202	1
	1.25" (C34= W**E3E)	028505203	1
	1.5" (C34= W**F3E)	028505204	1
	2" (C34= W**G3E)	028505205	1
264	Linkage	073365601	1
265	Motor (VM1)	066534807	1
276	Adapter	066534806	1
	<b>02/2009 &amp; Later</b>		
163	Actuator only (VM1)	300046566 <sup>2</sup>	1
263	Valve Assy.		
	1" (C34= W**D3E)	113166702	1
	1.25" (C34= W**E3E)	113166703	1
	1.5" (C34= W**F3E)	113166704	1
	2" (C34= W**G3E)	113166705	1

<sup>2</sup> Note that the HW Valve is factory supplied WITH the Actuator. Use this p/n when replacing the HW Actuator ONLY.



## Section F- Supply Air Section

### Notes



Primary Codes that pertain: 14, 15, 31, 32, 33 (all unit sizes); 27, 28 (800 only)

Additional Codes that pertain: 04, 06, 17, 26, 34, 49

**NOTE: A unit size 800 that has a Draw-Thru Cooling Coil only (no heat) has the coil located in Section F. All other Draw-Thru cooling applications (units with heat coils, or any application for size 802) have coils located in Section D. The parts for the Draw-Thru Cooling Coil are listed in Section D.**

Codes 14 and 15 determine if the unit has inverter(s) and if so where they are installed. If Code 14= 3, 5, 6, 7, 8, 9, the inverter(s) are installed in the Supply Air Section. If Code 14= 1, 2, 4 AND Code 26= S, there is a separate Inverter Section. If Code 14= Y, there are no inverters. Code 15 determines the inverter vendor. **All components pertaining to the inverter(s) are listed in this section.**

Code 31 determines the Supply Fan size and type, Code 32 determines the Fan Motor horsepower and type, and Code 33 determines the drive selection. **Drive components (Fan Sheave, Motor Sheave, V-belt(s), and Sheave Bushing(s) [if required]) are NOT listed as they are unique to the unit. If a drive component is required you may use the number from the part and cross reference it with the Drive Components Cross Reference, form number 571006, or contact Daikin Applied with model and serial number information for identification.** Supply Fan Motors range from 1- 25 horsepower and the fan wheel ranges from 15" x 6" forward curved to 24" airfoil.

Codes 27 & 28 determine the Draw-Thru Evaporator Section, and pertain to the Coil and Drain Pan installed in section F (size 800 only).

Code 04 and Code 34 determine the heat type, which can affect the final assembly part numbers, as well as the section installed controls.

Code 06 determines the liners and insulation, and will affect the final assembly panels. **For sheet metal components that make up the Supply Air Section, contact Daikin Applied with model and serial number information to ensure correct liners, insulation and hardware are ordered.**

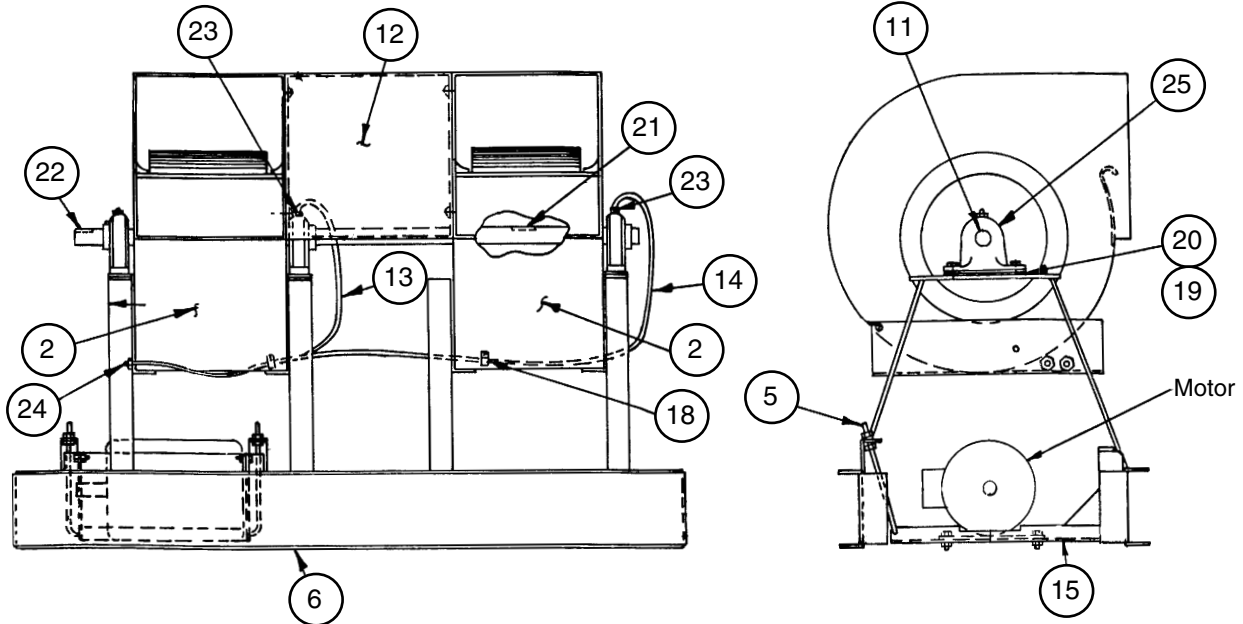
Code 17 determines if there are UV lights installed.

Code 49 determines if the Supply Air cabinet has a Belt Guard (Code 49= A, D), a Fan Section Light (Code 49= B, E), or both (Code 49= C, F).

# Section F- Supply Air Section

## Fan Assembly

**15" X 6" AND 15" X 15" Forward Curved Fans**  
**Code 31= 06F1, 06F2, 06F3 OR 15F1, 15F2, 15F3**  
**Unit Size 800**



Ref. No.	Part Description	Fan Size: Code 31=		Qty.
		06F*	15F*	
2	Wheel Assembly	058807901 <sup>3</sup>	033135100	2
5	Motor Mount	033453500	033453500	2
6	Blower Frame	058402111	058402112	1
11	Shaft	041001401	033454601	1
12	Filler Piece	041001200	033453400	1
13	Tubing	021136738	021136738	1
14	Tubing	021136774	021136774	1
15	Motor Base	033452701	033452701	1
18	Tube Clamp	001324600	001324600	3
19	Spacer	041001300	Not Used	3
20	Shim	1	1	
21	Shaft Key	023221309	023221309	2
22	Shaft Key	023221303	023221410	1
23	Coupling			
	Until 12/04	021213700	021213700	2
	12/04 & Later	027674000	027674000	2
24	Coupling	021213800	021213800	2
25	Bearing- Pillow Block	020648662 <sup>4</sup>	020648651 <sup>4</sup>	3
N/S	Belt Guard Assy <sup>2</sup>	037765601	037765601	1

N/S= Not Shown on diagram.

Note: Motors are listed after the fan mounting section.

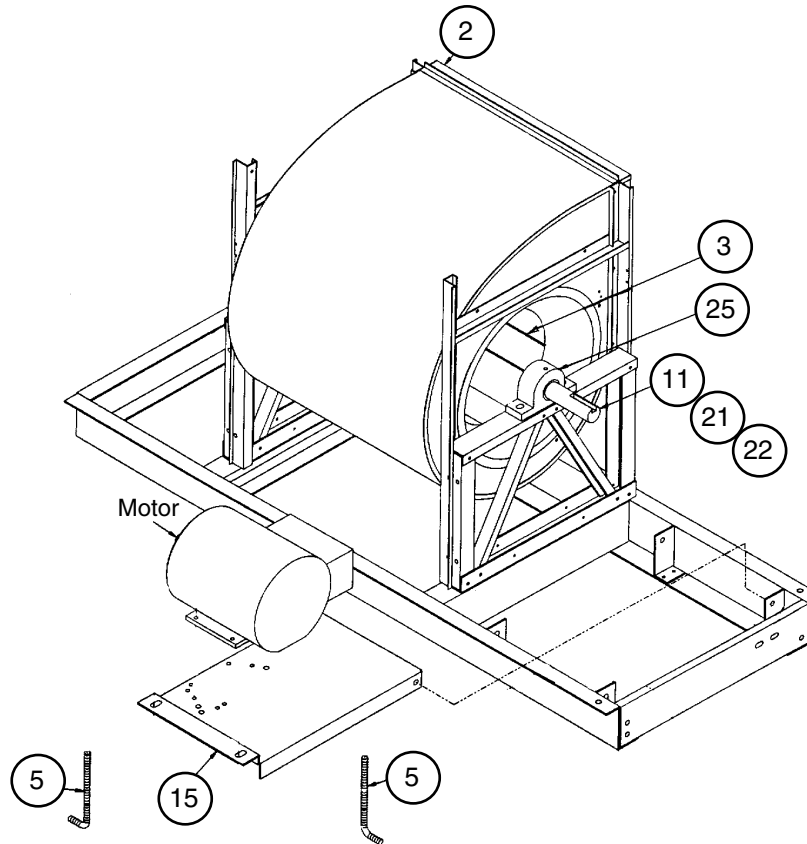
<sup>1</sup> Any of the following shims may be used: 091532101 (.022); 091532001 (.031); 091531901 (.046); 091531801 (.046); 026637400 (.058).

<sup>2</sup> Code 49= A, C, D, F.

<sup>3</sup> P/N 040803700 is the Wheel and Housing Assembly ONLY for the Volume Control Damper Assembly (p/n 058807901). Volume Control Damper Assembly 058807901 includes the Wheel and Housing, an adjustable Cutoff Plate, and Adjusting Mechanism.

<sup>4</sup> Note that some units may have been equipped with standard setscrew locking bearings. This locking collar style bearing is the recommended replacement.

# **Section F- Supply Air Section** **Fan Assembly** **20" Airfoil Fans w/o Variable Inlet Vanes** **Code 31= 20A1, 20A2, 20A3** **Unit Size 800**



Ref. No.	Part Description	Part Number	Qty.
2	Blower Housing		
	Until 12/04	058402114	1
	12/04 & Later	058402164	1
3	Wheel: DWAF	023392415	1
5	Motor Mount	033453500	2
11	Shaft	058490101	1
15	Motor Shelf		
	Until 12/04	058569401	1
	12/04 & Later	058402194	1
21	Shaft Key	023221507	1
22	Shaft Key	023221505	1
25	Bearing	020648653 <sup>2</sup>	2
N/S	Grille- Belt Guard <sup>1</sup>	058573101	1

N/S= Not Shown on diagram.

Note: Motors are listed after the fan mounting section.

<sup>1</sup> Code 49= A, C, D, F.

<sup>2</sup> Note that some units may have been equipped with standard setscrew locking bearings. This locking collar style bearing is the recommended replacement.

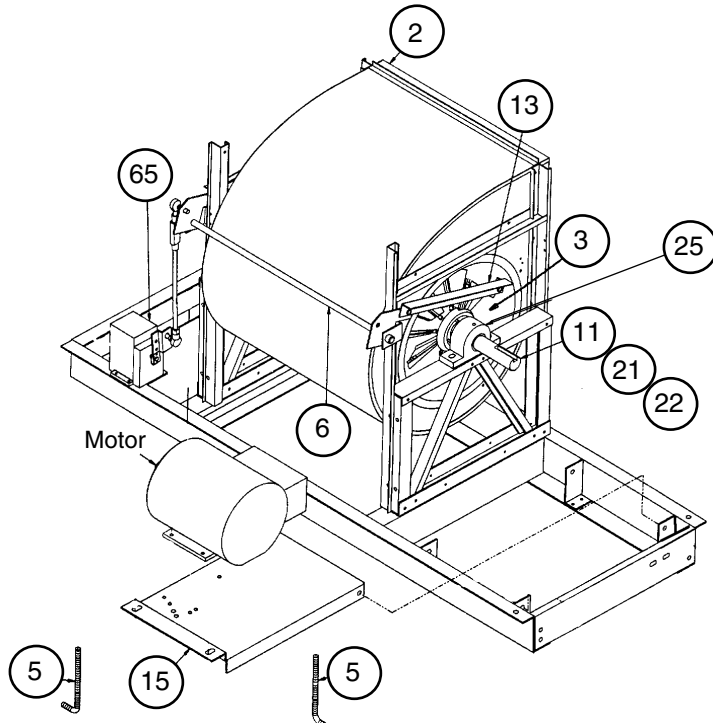
# Section F- Supply Air Section

## Fan Assembly

### 20" Airfoil Fans w/ Variable Inlet Vanes

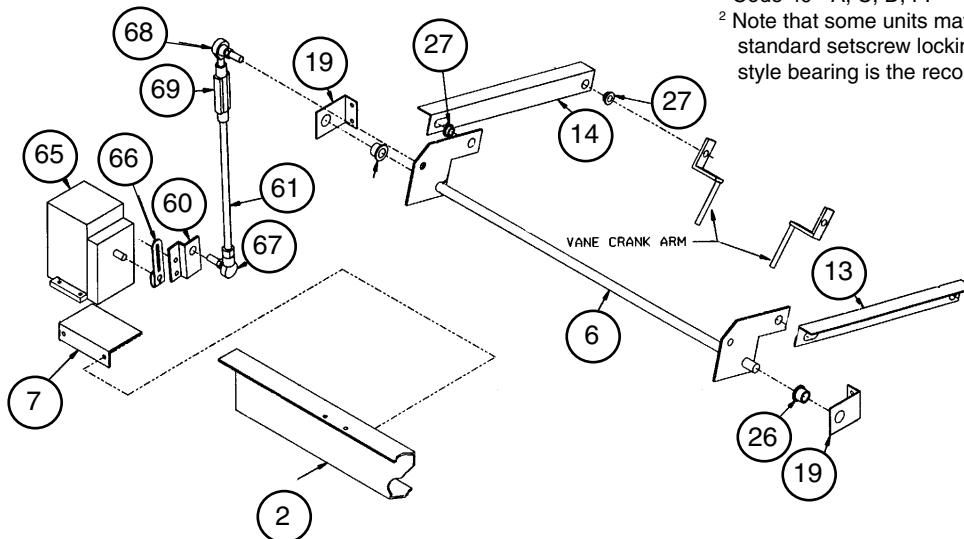
#### Code 31= 20V1, 20V2, 20V3

#### Unit Sizes 800



Ref. No.	Part Description	Part Number	Qty.
2	Blower Housing	058402113	1
3	Wheel: DWAF	023392415	1
5	Motor Mount	033453500	2
6	Crank Arm	058569701	1
7	Actuator Mount	058494201	1
11	Shaft	058490101	1
13	Linkage Channel	058490803	1
14	Linkage Channel	058490803	1
15	Motor Shelf	058569401	1
19	Bearing Mount	058490901	2
21	Shaft Key	023221507	1
22	Shaft Key	023221505	1
25	Bearing	020648653 <sup>2</sup>	2
26	Sleeve Bearing	047138508	2
27	Flange Bearing	047138509	4
60	Adapter Plate	033603300	1
61	Linkage Shaft	055530511	1
65	Act. Motor- ACT1		
	Fan Motor H.P.:		
	1- 15 H.P.	059999801	1
	20, 25 H.P.	059999802	1
66	Crank Arm	032279200	1
67	Ball Joint	027671100	1
68	Ball Joint	034256500	1
69	Turnbuckle	032851100	1
N/S	Grille- Belt Guard <sup>1</sup>	058573101	2

### V.I.V. Detail



N/S= Not Shown on diagram.

Note: Motors are listed after the fan mounting section.

<sup>1</sup> Code 49= A, C, D, F.

<sup>2</sup> Note that some units may have been equipped with standard setscrew locking bearings. This locking collar style bearing is the recommended replacement.

# Section F- Supply Air Section

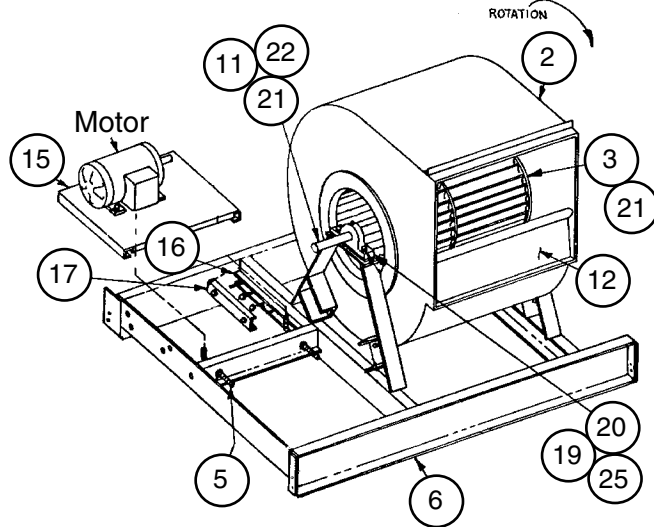
## Fan Assembly

### 24" Forward Curved LP Fans

#### Code 31= 24F1, 24F2, 24F3

#### Unit Size 802

Until 12/04



Ref. No.	Part Description	Part No.	Qty.
2	Housing	030030201	1
3	Wheel	024061015	1
5	Motor Mount	033453500	2
6	Blower Frame	058402115	1
11	Shaft	030631201	1
12	Cut Off Plate	030030101	1
15	Motor Shelf	029433500	1
16	Channel	058580101	2
17	Channel	059362402	2
19	Upper Bearing Shim	030570500	2
20	Lower Bearing Shim	021494200	2
21	Shaft Key	023221409	1
22	Shaft Key	023221415	1
25	Bearing- P.B.	020648651 <sup>2</sup>	2
N/S	Belt Guard Assy <sup>1</sup>	035904900	1

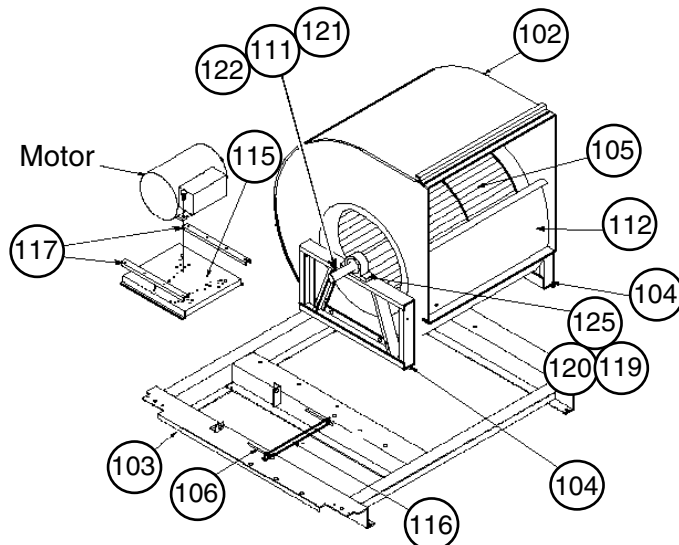
N/S= Not Shown on diagram.

Note: Motors are listed after the fan mounting section.

<sup>1</sup> Code 49= A, C, D, F.

<sup>2</sup> Note that some units may have been equipped with standard setscrew locking bearings. This locking collar style bearing is the recommended replacement.

12/04 & Later



Ref. No.	Part Description	Part No.	Qty.
102	Housing	030030201	1
103	Base	058402169	1
104	Mount- Bearing	058402166	2
105	Wheel	024061015	1
106	Screw- Adjusting	055528202	2
111	Shaft	030631201	1
112	Cut Off Plate	030030101	1
115	Mount- Motor	058402171	1
116	Angle- Mount	055514201	1
117	Angle- Mount	104400801	2
119	Shim- Upper	030570500	2
120	Shim- Lower	021494200	2
121	Shaft Key	023221409	1
122	Shaft Key	023221415	1
125	Bearing- P.B.	020648651 <sup>4</sup>	2
N/S	Belt Guard Assy <sup>3</sup>	035904900	1

N/S= Not Shown on diagram.

Note: Motors are listed after the fan mounting section.

<sup>3</sup> Code 49= A, C, D, F.

<sup>4</sup> Note that some units may have been equipped with standard setscrew locking bearings. This locking collar style bearing is the recommended replacement.

# Section F- Supply Air Section

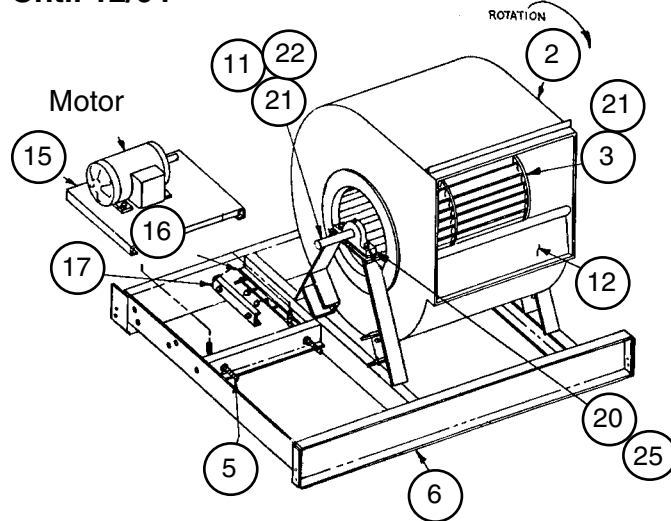
## Fan Assembly

### 24" Forward Curved MP Fans

### Code 31= 24M1, 24M2, 24M3

### Unit Size 802

Until 12/04



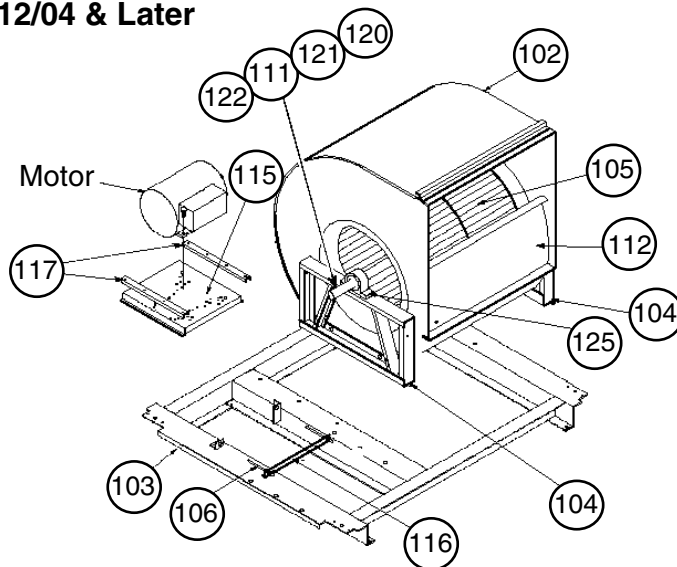
Ref. No.	Part Description	Part No.	Qty.
2	Housing	030030201	1
3	Wheel	024061016	1
5	Motor Mount	033453500	2
6	Blower Frame	058402115	1
11	Shaft	030631301	1
12	Cut Off Plate	030030101	1
15	Motor Shelf	029433500	1
16	Channel	058580101	2
17	Channel	059362402	2
20	Lower Bearing Shim	021494300	2
21	Shaft Key	023221409	1
22	Shaft Key	023221415	1
25	Bearing- P.B.	020648652	2
N/S	Belt Guard Assy <sup>1</sup>	035904900	1

N/S= Not Shown on diagram.

Note: Motors are listed after the fan mounting section.

<sup>1</sup> Code 49= A, C, D, F.

12/04 & Later



Ref. No.	Part Description	Part No.	Qty.
102	Housing	030030201	1
103	Base	058402169	1
104	Mount- Bearing	058402166	2
105	Wheel	024061016	1
106	Screw- Adjusting	055528202	2
111	Shaft	030631301	1
112	Cut Off Plate	030030101	1
115	Mount- Motor	058402171	1
116	Angle- Mount	055514201	1
117	Angle- Mount	104400801	2
120	Shim	021494200	2
121	Shaft Key	023221409	1
122	Shaft Key	023221415	1
125	Bearing- P.B.	020648652	2
N/S	Belt Guard Assy <sup>2</sup>	035904900	1

N/S= Not Shown on diagram.

Note: Motors are listed after the fan mounting section.

<sup>2</sup> Code 49= A, C, D, F.

# Section F- Supply Air Section

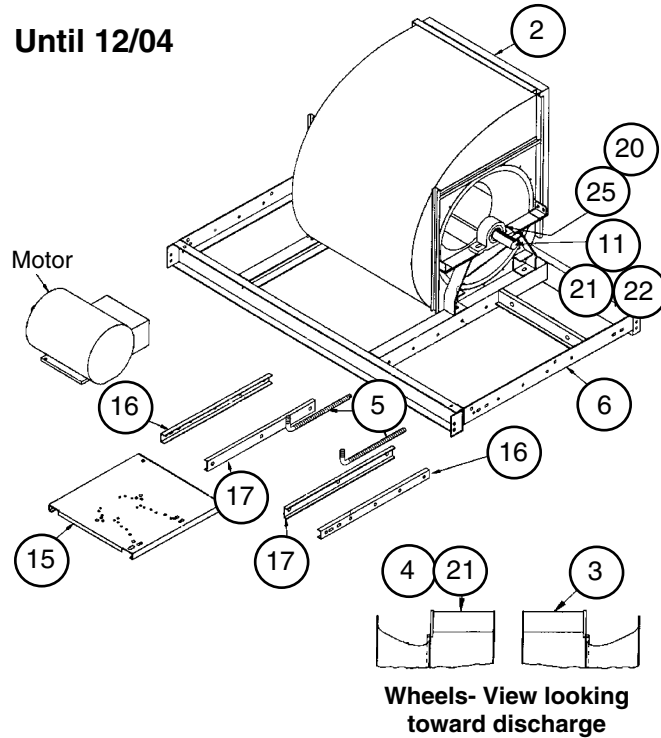
## Fan Assembly

### 24" Airfoil Fans w/o Variable Inlet Vanes

#### Code 31= 24A1, 24A2, 24A3

#### Unit Size 802

Until 12/04



Ref. No.	Part Description	Part Number	Qty.
2	Blower Housing	034276601	1
3	Wheel: SISW C.W.	031637711	1
4	Wheel: SISW C.C.W.	031637811	1
5	Motor Mount	033453500	2
6	Blower Frame	058402117	1
11	Shaft	034276201	1
15	Motor Shelf	029433500	1
16	Channel	058580101	2
17	Channel	059362402	2
20	Shim	021494400	2
21	Shaft Key	023221519	2
22	Shaft Key	023221513	1
25	Bearing	020648653 <sup>2</sup>	2
N/S	Belt Guard Assy <sup>1</sup>	035904900	1

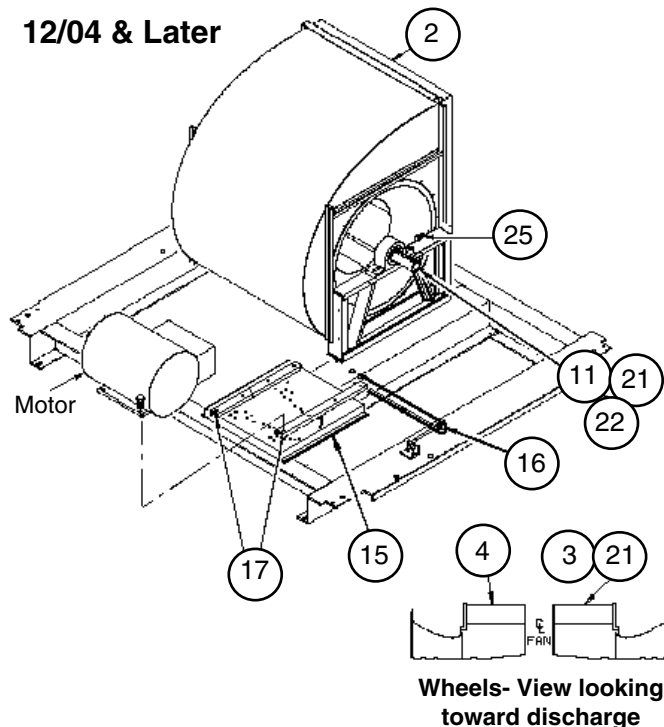
N/S= Not Shown on diagram.

Note: Motors are listed after the fan mounting section.

<sup>1</sup> Code 49= A, C, D, F.

<sup>2</sup> Note that some units may have been equipped with standard setscrew locking bearings. This locking collar style bearing is the recommended replacement.

12/04 & Later



Ref. No.	Part Description	Part Number	Qty.
2	Blower Housing	058402167	1
3	Wheel: SISW C.W.	110945604	1
4	Wheel: SISW C.C.W.	110945704	1
11	Shaft	034276201	1
15	Mount- Motor	058402171	1
16	Angle- Mount	055514201	1
17	Angle- Motor Mount	104400801	2
21	Key	023221508	1
22	Key	023221513	1
25	Bearing	020648653 <sup>4</sup>	2
N/S	Belt Guard Assy <sup>3</sup>	035904900	1

N/S= Not Shown on diagram.

Note: Motors are listed after the fan mounting section.

<sup>3</sup> Code 49= A, C, D, F.

<sup>4</sup> Note that some units may have been equipped with standard setscrew locking bearings. This locking collar style bearing is the recommended replacement.

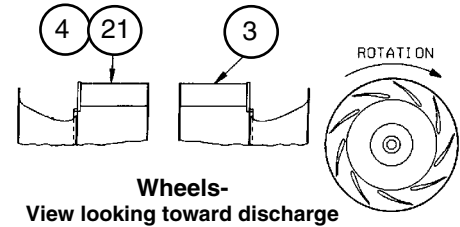
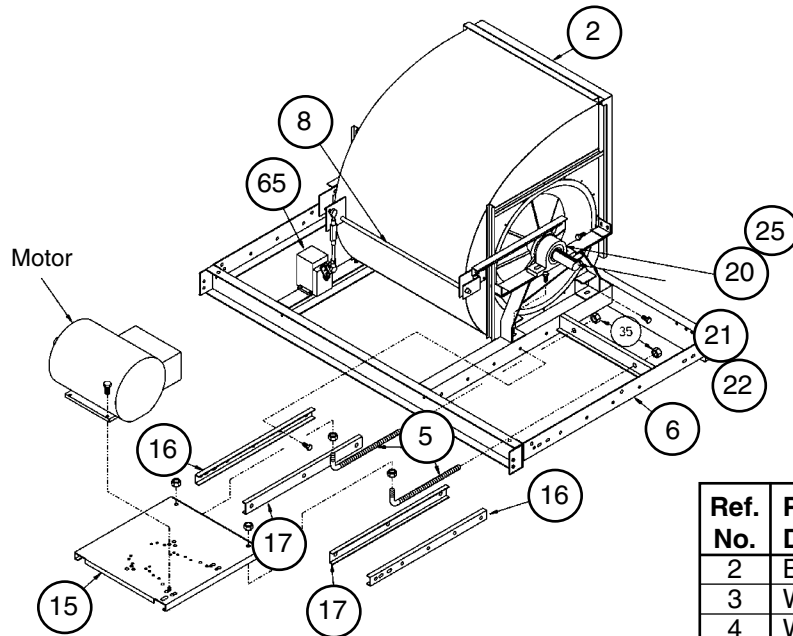
# Section F- Supply Air Section

## Fan Assembly

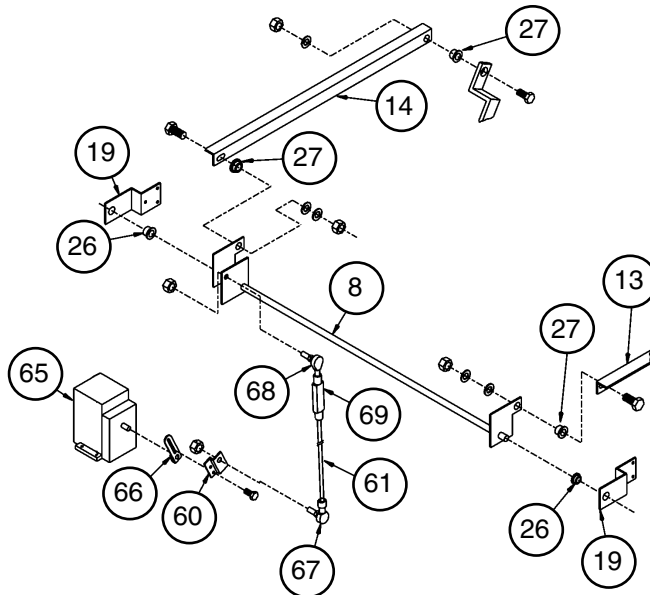
### 24" Airfoil Fans w/ Variable Inlet Vanes

#### Code 31= 24V1, 24V2, 24V3

#### Unit Size 802



#### V.I.V. Detail



Ref. No.	Part Description	Part Number	Qty.
2	Blower Housing	034276602	1
3	Wheel: SISW C.W.	031637711	1
4	Wheel: SISW C.C.W.	031637811	1
5	Motor Mount	033453500	2
6	Blower Frame	058402117	1
8	Crank Arm Assembly	058569702	1
11	Shaft	034276201	1
13	Linkage Angle	058595901	1
14	Linkage Angle	058595902	1
15	Motor Shelf	029433500	1
16	Channel	058580101	2
17	Channel	059362402	2
19	Linkage Support	058595802	2
20	Shim	021494400	2
21	Shaft Key	023221519	2
22	Shaft Key	023221513	1
25	Bearing	020648653 <sup>2</sup>	2
26	Sleeve Bearing	047138508	2
27	Flange Bearing	047138509	2
60	Adapter Plate	033603300	1
61	Linkage Shaft	055530510	1
65	Act. Motor- ACT1		
	Motor H.P. 1- 20	059999801	1
	Motor H.P. 25	059999802	1
66	Damper Crank Arm	032279200	1
67	Ball Joint	027671100	1
68	Ball Joint	034256500	1
69	Turnbuckle	032851100	1
N/S	Belt Guard Assy <sup>1</sup>	035904900	1

N/S= Not Shown on diagram.

Note: Motors are listed after the fan mounting section.

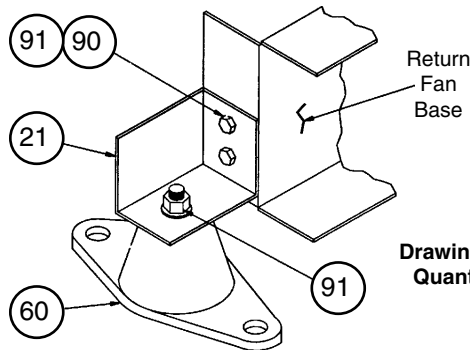
<sup>1</sup> Code 49= A, C, D, F.

<sup>2</sup> Note that some units may have been equipped with standard setscrew locking bearings. This locking collar style bearing is the recommended replacement.



# **Section F- Supply Air Section** **Supply Air Fan Mounting- 15" x 6" OR 15" X 15" Forward Curved Fan** **Code 31= 06F1, 06F2, 06F3, 15F1, 15F2, 15F3** **Until 12/04**

## **Rubber-In-Shear Code 31= 06F1 OR 15F1**



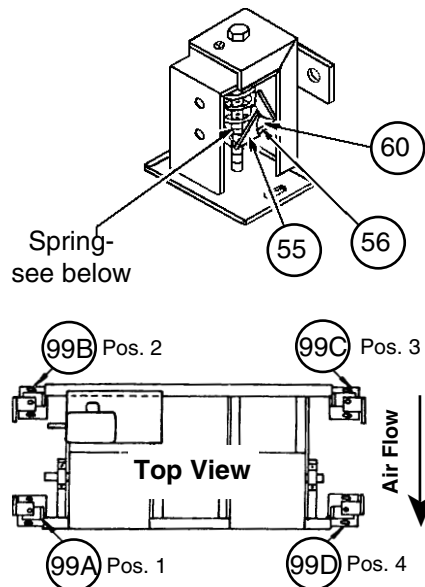
**Rubber Mount Detail: All four corners are the same.**

Ref No.	Part Description	Part Number	Qty.
21	Support Angle	035205100	1
60	Isolator RP- 3 Red	021639701	1
90	Screw	040499501	2
91	Nut	032333305	3

Drawing is common to all four corners.  
Quantities listed are for ONE mount.

## **Spring Mounting Code 31= 06F2 OR 15F2 AND Seismic Mount Code 31= 06F3 OR 15F3**

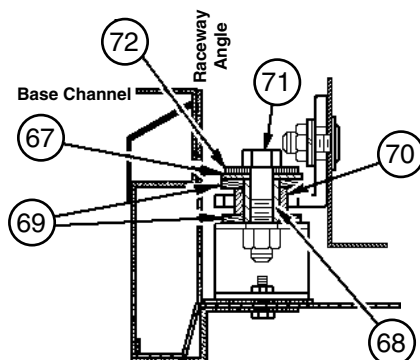
**Spring Detail: Quantities listed in chart are for ONE spring.**  
**Seismic mounting is the same with the addition of the parts shown below.**



Ref No.	Part Description	Part Number	Qty <sup>1</sup>
55	Spring Retainer	035204301	1
56	Washer	035204500	1
60	Pad	035204400	1
99A	Spring Isolator- Position 1		
	Motor H.P.= 1 thru 3 Black	022611100	1
	Motor H.P.= 5 thru 20 Blue	022611200	1
99B	Spring Isolator- Position 2		
	Motor H.P.= 1 thru 7.5 Yellow	022611300	1
	Motor H.P.= 10 thru 20 Brown	022611400	1
99C	Spring Isolator- Position 3		
	Motor H.P.= All Blue	022611200	1
99D	Spring Isolator- Position 4		
	Motor H.P.= All Pink	022611000	1

<sup>1</sup> Quantity is for ONE corner. All four corners are the same.

## **Additional Seismic Restraint Parts**



Ref No.	Part Description	Part Number	Qty <sup>2</sup>
67	Washer Code 31= 06/15F3 only	057276701	1
68	Spacer Code 31= 06/15F3 only	057276801	1
69	Washer- Neoprene Code 31= 06/15F3 only	067301101	2
70	Spacer- Neoprene Code 31= 06/15F3 only	067301201	1
71	Cap Screw Code 31= 06/15F3 only	040499515	1
72	Lock Washer Code 31= 06/15F3 only	048164816	1

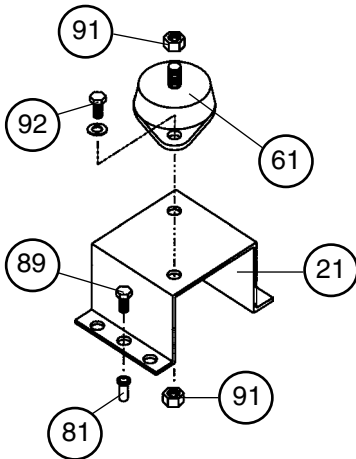
<sup>2</sup> Quantity is for ONE corner. All four corners are the same.

# Section F- Supply Air Section

## Supply Air Fan Mounting- 15" x 6" Forward Curved Fan

### Code 31= 06F1, 06F2, 06F3 12/04 & Later

#### Rubber-In-Shear Code 31= 06F1

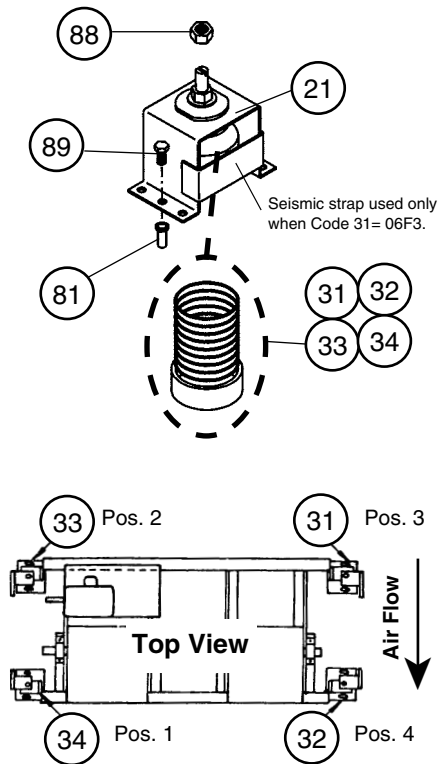


Rubber Mount Detail: All four corners are the same.

Ref No.	Part Description	Part Number	Qty
21	Support Mount	055512101	1
61	Isolator R- 3 Black	021639704	1
81	Clinch Nut	059992201	2
89	Screw	112047201	2
91	Nut	032333305	3
92	Screw	040499501	2

Drawing is common to all four corners.  
Quantities listed are for ONE mount.

#### Spring Mounting Code 31= 06F2 AND Seismic Mount Code 31= 06F3



Ref No.	Part Description	Part Number	Qty <sup>1</sup>
21	Spring Mount- Standard	251783201	1
	Spring Mount- Seismic	251783301	1 <sup>2</sup>
31	Spring Isolator- Position 3		
	Motor H.P.= 1 thru 5	251784501	1
	Motor H.P.= 7.5 thru 15	251784601	1
	Motor H.P.= 20	251784701	1
32	Spring Isolator- Position 4		
	Motor H.P.= 1 thru 15	251784501	1
	Motor H.P.= 20	251784601	1
33	Spring Isolator- Position 2		
	Motor H.P.= 1 thru 5	251784601	1
	Motor H.P.= 7.5 thru 10	251784701	1
	Motor H.P.= 15 thru 20	251784801	1
	Motor H.P.= 10	251784801	1
34	Spring Isolator- Position 1		
	Motor H.P.= 1 thru 7.5	251784601	1
	Motor H.P.= 10 thru 20	251784701	1
81	Clinch Nut- Standard	059992201	3
	Clinch Nut- Seismic	111056301	5 <sup>2</sup>
88	Nut	040500002	1
89	Screw- Standard	112047201	3
	Screw- Seismic	112047201	5 <sup>2</sup>

<sup>1</sup> Quantity is for ONE corner. All four corners are the same.

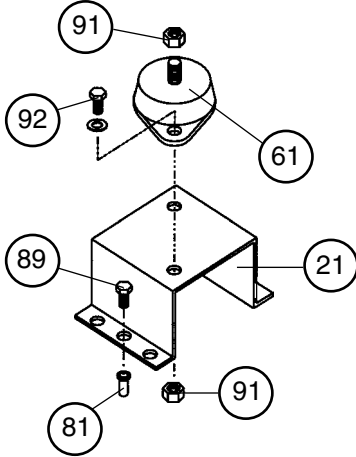
<sup>2</sup> This part is used only when Code 31= 06F3.

# Section F- Supply Air Section

## Supply Air Fan Mounting- 15" X 15" Forward Curved Fan

### Code 31= 15F1, 15F2, 15F3 12/04 & Later

#### Rubber-In-Shear Code 31= 15F1

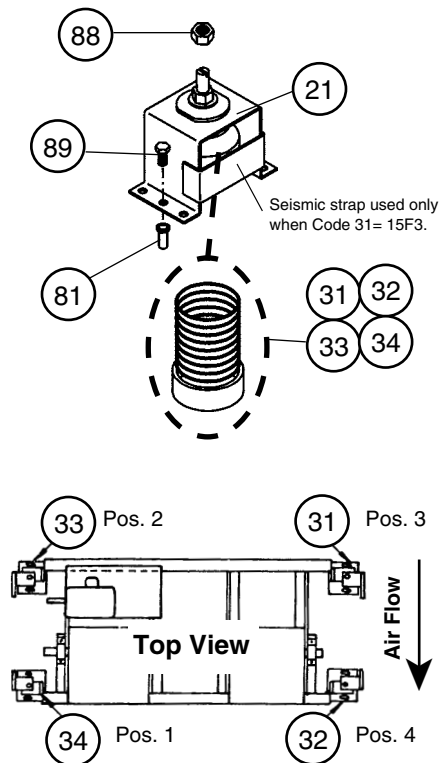


Rubber Mount Detail: All four corners are the same.

Ref No.	Part Description	Part Number	Qty
21	Support Mount	055512101	1
61	Isolator R- 3 Black	021639704	1
81	Clinch Nut	059992201	2
89	Screw	112047201	2
91	Nut	032333305	3
92	Screw	040499501	2

Drawing is common to all four corners.  
Quantities listed are for ONE mount.

#### Spring Mounting Code 31= 06F2 AND Seismic Mount Code 31= 15F3



Ref No.	Part Description	Part Number	Qty. <sup>1</sup>
21	Spring Mount- Standard	251783201	1
	Spring Mount- Seismic	251783301	1 <sup>2</sup>
31	Spring Isolator- Position 3		
	Motor H.P.= 1 thru 5	251784601	1
	Motor H.P.= 7.5 thru 15	251784701	1
	Motor H.P.= 20	251784801	1
32	Spring Isolator- Position 4		
	Motor H.P.= All	251784601	1
33	Spring Isolator- Position 2		
	Motor H.P.= 1 thru 3	251784601	1
	Motor H.P.= 5 thru 10	251784701	1
	Motor H.P.= 15 thru 20	251784801	1
34	Spring Isolator- Position 1		
	Motor H.P.= 1 thru 7.5	251784601	1
	Motor H.P.= 10 thru 20	251784701	1
81	Clinch Nut- Standard	059992201	3
	Clinch Nut- Seismic	111056301	5 <sup>2</sup>
88	Nut	040500002	1
89	Screw- Standard	112047201	3
	Screw- Seismic	112047201	5 <sup>2</sup>

<sup>1</sup> Quantity is for ONE corner. All four corners are the same.

<sup>2</sup> This part is used only when Code 31= 15F3.

# Section F- Supply Air Section

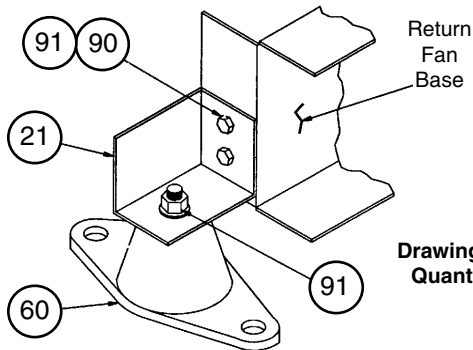
## Supply Air Fan Mounting- 20" Airfoil Fan

### Code 31= 20\*1, 20\*2, 20\*3

### Until 12/04

#### Rubber-In-Shear Code 31= 20\*1

Rubber Mount Detail: All four corners are the same.

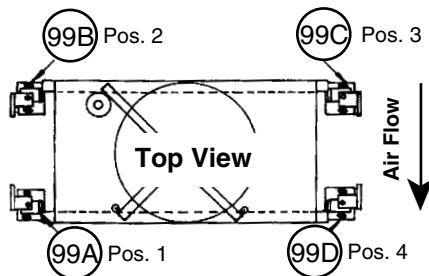
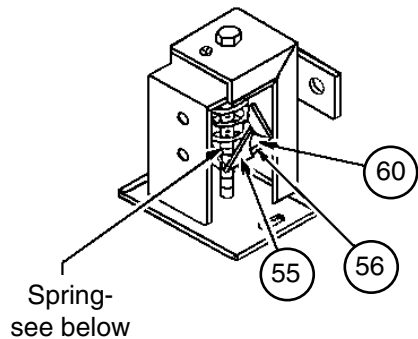


Ref No.	Part Description	Part Number	Qty.
21	Support Angle	035205100	1
60	Isolator RP- 3 Black	021639704	1
90	Screw	040499501	2
91	Nut	032333305	3

Drawing is common to all four corners.  
Quantities listed are for ONE mount.

#### Spring Mounting Code 31= 20\*2 AND Seismic Mount Code 31= 20\*3

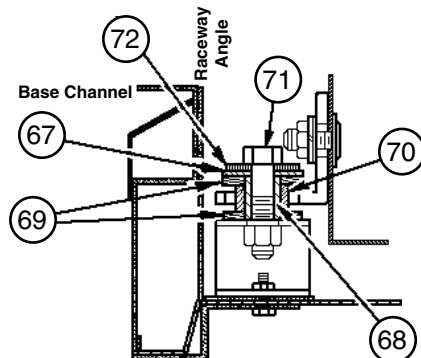
Spring Detail: Quantities listed in chart are for ONE spring. Seismic mounting is the same with the addition of the parts shown below.



Ref No.	Part Description	Part Number	Qty <sup>1</sup>
55	Spring Retainer	035204301	1
56	Washer	035204500	1
60	Pad	035204400	1
99A	Spring Isolator- Position 1		
	Motor H.P.= All Black	022611100	1
99B	Spring Isolator- Position 2		
	Motor H.P.= 1 thru 5 Yellow	022611300	1
	Motor H.P.= 7.5 thru 20 Brown	022611400	1
	Motor H.P.= 25 Red	022611500	1
99C	Spring Isolator- Position 3		
	Motor H.P.= 1 thru 5 Blue	022611200	1
	Motor H.P.= 7.5 thru 20 Yellow	022611300	1
	Motor H.P.= 25 Brown	022611400	1
99D	Spring Isolator- Position 4		
	Motor H.P.= All Pink	022611000	1

<sup>1</sup> Quantity is for ONE corner. All four corners are the same.

#### Additional Seismic Restraint Parts



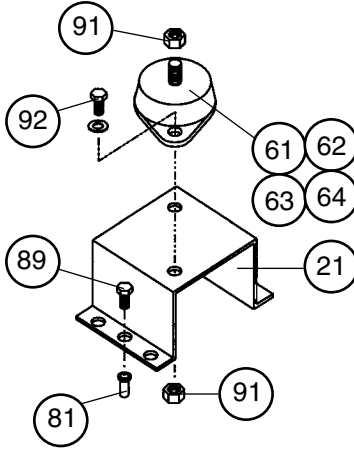
Ref No.	Part Description	Part Number	Qty <sup>2</sup>
67	Washer Code 31= 20*3 only	057276701	1
68	Spacer Code 31= 20*3 only	057276801	1
69	Washer- Neoprene Code 31= 20*3 only	067301101	2
70	Spacer- Neoprene Code 31= 20*3 only	067301201	1
71	Cap Screw Code 31= 20*3 only	040499515	1
72	Lock Washer Code 31= 20*3 only	048164816	1

<sup>2</sup> Quantity is for ONE corner. All four corners are the same.

# **Section F- Supply Air Section** **Supply Air Fan Mounting- 20" Airfoil Fan** **Code 31= 20A1, 20A2, 20A3** **12/04 & Later**

**Rubber-In-Shear Code 31= 20\*1**

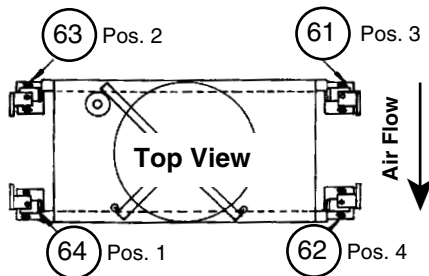
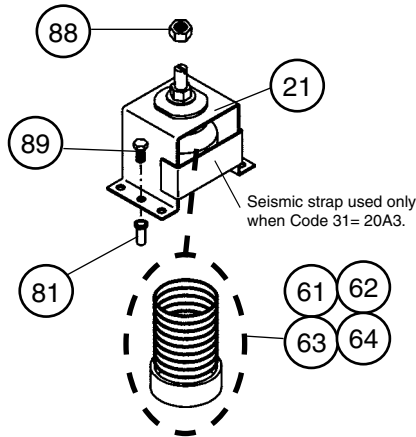
**Rubber Mount Detail: All four corners are the same.**



Ref No.	Part Description	Part Number	Qty <sup>1</sup>
21	Support Mount	055512101	1
61	Spring Isolator- Position 3 Motor H.P.= All	021639704	1
62	Spring Isolator- Position 4 Motor H.P.= All	021639704	1
63	Spring Isolator- Position 2 Motor H.P.= 1 thru 7.5 Motor H.P.= 10 thru 20	021639704 021639701	1 1
34	Spring Isolator- Position 1 Motor H.P.= All	021639704	1
81	Clinch Nut	059992201	2
89	Screw	112047201	2
91	Nut	032333305	3
92	Screw	040499501	2

<sup>1</sup> Quantity is for ONE corner. All four corners are the same.

## **Spring Mounting Code 31= 20A2 AND Seismic Mount Code 31= 20A3**

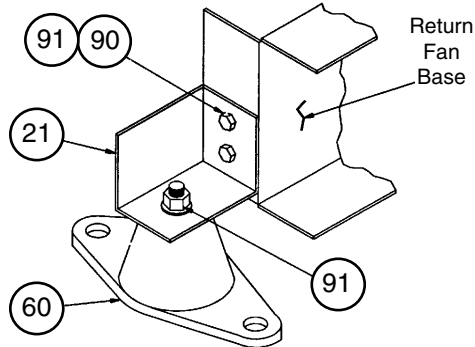


Ref No.	Part Description	Part Number	Qty <sup>2</sup>
21	Mount- Spring		
	Spring Mount- Code 31= ***2	251783201	1
	Seismic Mount- Code 31= ***3	251783301	1
81	Nut		
	Spring Mount- Code 31= ***2	059992201	3
	Seismic Mount- Code 31= ****3	111056301	5
88	Nut	040500002	1
89	Screw		
	Spring Mount- Code 31= ****2	112047201	3
	Seismic Mount- Code 31= ****3	112047201	5
61	Spring Isolator- Position 3 Motor H.P.= 1 thru 2                      Black Motor H.P.= 3 thru 15                  Purple Motor H.P.= 20                          Brown	251784601 251784701 251784801	1 1 1
62	Spring Isolator- Position 4 Motor H.P.= 1 thru 5                      Black Motor H.P.= 7.5 thru 20                  Purple	251784601 251784701	1 1
63	Spring Isolator- Position 2 Motor H.P.= 1 thru 2                      Yellow Motor H.P.= 3 thru 5                      Black Motor H.P.= 7.5 thru 15                  Purple Motor H.P.= 20                          Brown	251784501 251784601 251784701 251784801	1 1 1 1
64	Spring Isolator- Position 1 Motor H.P.= 1 thru 3                      Yellow Motor H.P.= 5 thru 10                      Black Motor H.P.= 15                              Purple Motor H.P.= 20                              Brown	251784501 251784601 251784701 251784801	1 1 1 1

<sup>2</sup> Quantity is for ONE corner. All four corners are the same.

# **Section F- Supply Air Section** **Supply Air Fan Mounting- 24" Airfoil Fan** **Code 31= 24\*1, 24\*2, 24\*3** **Until 12/04**

## **Rubber-In-Shear Code 31= 24A1, 24V1**

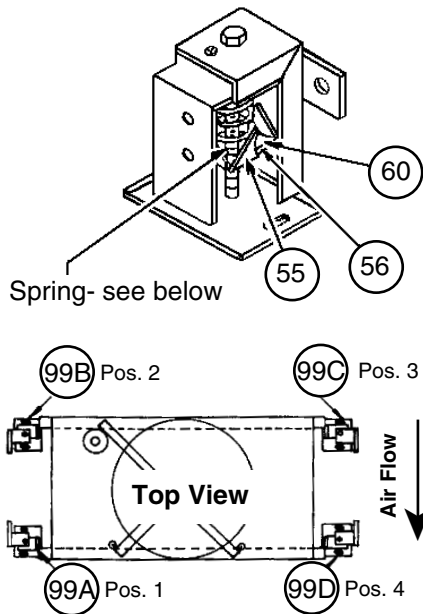


**Rubber Mount Detail: All four corners are the same.**

Ref No.	Part Description	Part Number	Qty <sup>1</sup>
21	Support Angle	035205100	1
60	Isolator RP- 3 Red	021639701	1
90	Screw	040499501	2
91	Nut	032333305	3

<sup>1</sup> Quantity is for ONE corner. All four corners are the same.

## **Spring Mounting Code 31= 24A2, 24V2 AND Seismic Mount Code 31= 24A3, 24V3**

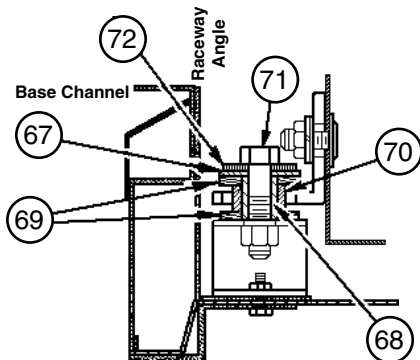


**Spring Detail: Quantities listed in chart are for ONE spring.**  
**Seismic mounting is the same with the addition of the parts shown below.**

Ref No.	Part Description	Part Number	Qty <sup>2</sup>
55	Spring Retainer	035204301	1
56	Washer	035204500	1
60	Pad	035204400	1
99A	Spring Isolator- Position 1		
	Motor H.P.= 1 thru 15 Yellow	022611300	1
	Motor H.P.= 20, 25 Brown	022611400	1
99B	Spring Isolator- Position 2		
	Motor H.P.= 1 thru 3 Yellow	022611300	1
	Motor H.P.= 5 thru 15 Brown	022611400	1
	Motor H.P.= 20, 25 Red	022611500	1
99C	Spring Isolator- Position 3		
	Motor H.P.= 1 thru 3 Blue	022611200	1
	Motor H.P.= 7.5 thru 25 Yellow	022611300	1
99D	Spring Isolator- Position 4		
	Motor H.P.= All Blue	022611200	1

<sup>2</sup> Quantity is for ONE corner. All four corners are the same.

## **Additional Seismic Restraint Parts**

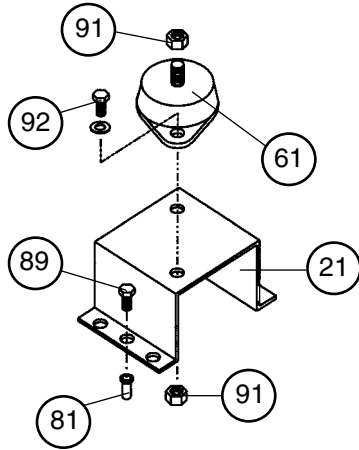


Ref No.	Part Description	Part Number	Qty <sup>3</sup>
67	Washer Code 31= 24*3 only	057276701	1
68	Spacer Code 31= 24*3 only	057276801	1
69	Washer- Neoprene Code 31= 24*3 only	067301101	2
70	Spacer- Neoprene Code 31= 24*3 only	067301201	1
71	Cap Screw Code 31= 24*3 only	040499515	1
72	Lock Washer Code 31= 24*3 only	048164816	1

<sup>3</sup> Quantity is for ONE corner. All four corners are the same.

# **Section F- Supply Air Section** **Supply Air Fan Mounting- 24" Airfoil Fan** **Code 31= 24A1, 24A2, 24A3** **12/04 & Later**

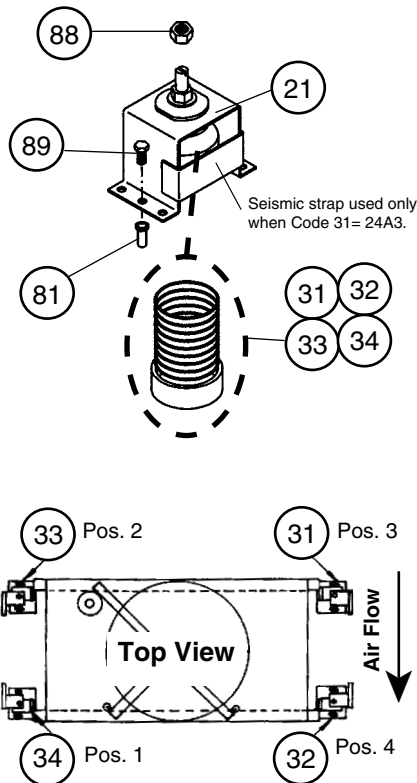
## **Rubber-In-Shear Code 31= 24A1**



Ref No.	Part Description	Part Number	Qty. <sup>1</sup>
21	Support Mount	055512101	1
60	Isolator RP- 3 Red	021639701	1
81	Clinch Nut	059992201	2
89	Screw	112047201	2
91	Nut	032333305	3
92	Screw	040499501	2

<sup>1</sup> Drawing is common to all four corners. Quantities listed are for ONE mount.

## **Spring Mounting Code 31= 24A2 AND Seismic Mount Code 31= 24A3**



Ref No.	Part Description	Part Number	Qty. <sup>2</sup>
21	Mount- Spring		
	Spring Mount- Standard	251783201	1
	Spring Mount- Seismic	251783301	1 <sup>3</sup>
31	Spring Isolator- Position 3		
	Motor H.P.= 1 thru 10	251784701	1
	Motor H.P.= 15 thru 25	251784801	1
32	Spring Isolator- Position 4		
	Motor H.P.= All	251784701	1
33	Spring Isolator- Position 2		
	Motor H.P.= 1 thru 3	251784601	1
	Motor H.P.= 5 thru 10	251784701	1
	Motor H.P.= 15 thru 20	251784801	1
	Motor H.P.= 25	251784901	1
34	Spring Isolator- Position 1		
	Motor H.P.= 1 thru 15	251784701	1
	Motor H.P.= 20 thru 25	251784801	1
81	Nut		
	Spring Mount- Standard	059992201	3
	Spring Mount- Seismic	111056301	5 <sup>3</sup>
88	Nut	040500002	1
89	Screw		
	Spring Mount- Standard	112047201	3
	Spring Mount- Seismic	112047201	5 <sup>3</sup>

<sup>2</sup> Drawing is common to all four corners. Quantities listed are for ONE mount.

<sup>3</sup> This part is used only when Code 31= 24A3.

# Section F- Supply Air Section

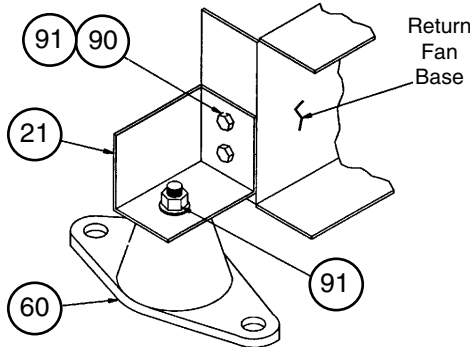
## Supply Air Fan Mounting- 24" Forward Curved Fan

### Code 31= 24\*1, 24\*2, 24\*3

### Until 12/04

#### Rubber-In-Shear Code 31= 24F1, 24M1

Rubber Mount Detail: All four corners are the same.

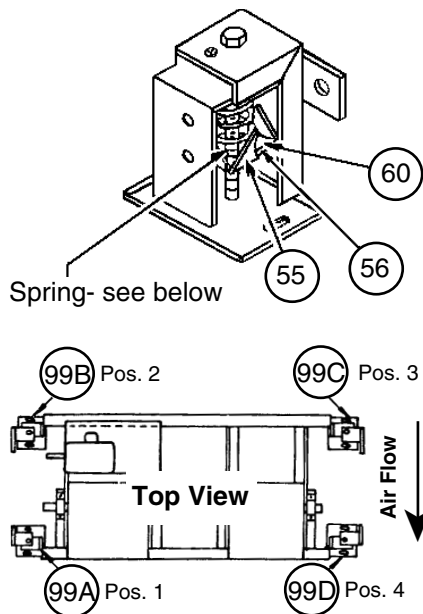


Ref No.	Part Description	Part Number	Qty <sup>1</sup>
21	Support Angle	035205100	1
60	Isolator RP- 3 Red	021639701	1
90	Screw	040499501	2
91	Nut	032333305	3

<sup>1</sup> Quantity is for ONE corner. All four corners are the same.

#### Spring Mounting Code 31= 24F2, 24M2 AND Seismic Mount Code 31= 24F3, 24M3

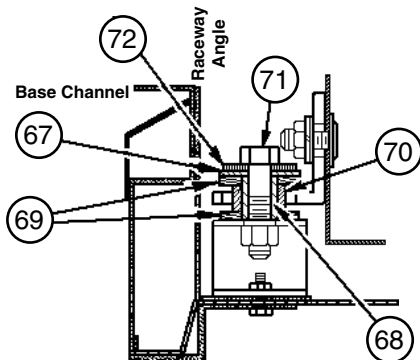
Spring Detail: Quantities listed in chart are for ONE spring. Seismic mounting is the same with the addition of the parts shown below.



Ref No.	Part Description	Part Number	Qty <sup>2</sup>
55	Spring Retainer	035204301	1
56	Washer	035204500	1
60	Pad	035204400	1
99A	Spring Isolator- Position 1		
	Motor H.P.= All Yellow	022611300	1
99B	Spring Isolator- Position 2		
	Motor H.P.= 2 thru 5 Yellow	022611300	1
	Motor H.P.= 7.5 thru 20 Brown	022611400	1
	Motor H.P.= 25 Red	022611500	1
99C	Spring Isolator- Position 3		
	Motor H.P.= 2 thru 10 Blue	022611200	1
	Motor H.P.= 15 thru 25 Yellow	022611300	1
99D	Spring Isolator- Position 4		
	Motor H.P.= All Blue	022611200	1

<sup>2</sup> Quantity is for ONE corner. All four corners are the same.

#### Additional Seismic Restraint Parts



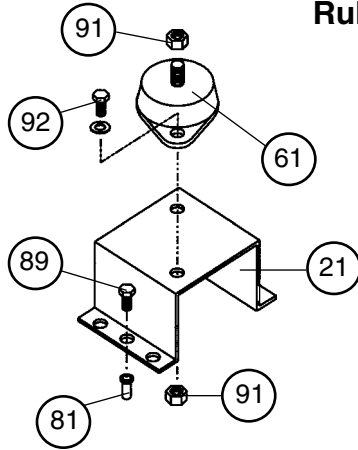
Ref No.	Part Description	Part Number	Qty <sup>3</sup>
67	Washer Code 31= 24*3 only	057276701	1
68	Spacer Code 31= 24*3 only	057276801	1
69	Washer- Neoprene Code 31= 24*3 only	067301101	2
70	Spacer- Neoprene Code 31= 24*3 only	067301201	1
71	Cap Screw Code 31= 24*3 only	040499515	1
72	Lock Washer Code 31= 24*3 only	048164816	1

<sup>3</sup> Quantity is for ONE corner. All four corners are the same.



# **Section F- Supply Air Section** **Supply Air Fan Mounting- 24" Forward Curved Fan** **Code 31= 24\*1, 24\*2, 24\*3** **12/04 & Later**

## **Rubber-In-Shear Code 31= 24F1, 24M1**

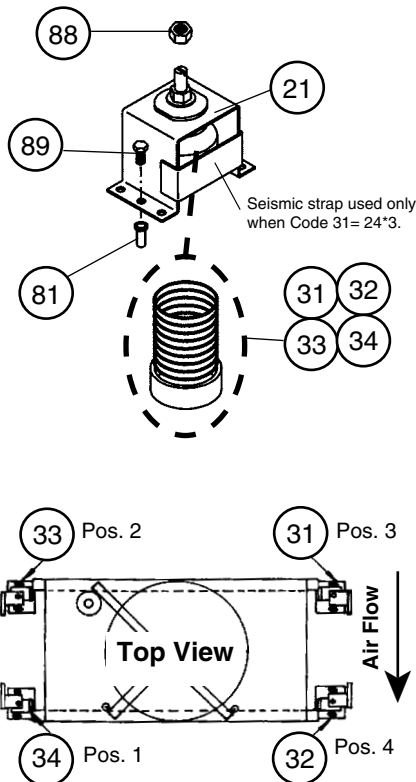


**Rubber Mount Detail: All four corners are the same.**

Ref No.	Part Description	Part Number	Qty. <sup>1</sup>
21	Support Mount	055512101	1
60	Isolator- RP- 3 Red	021639701	1
81	Clinch Nut	059992201	2
89	Screw	112047201	2
91	Nut	032333305	3
92	Screw	040499501	2

<sup>1</sup> Quantity is for ONE corner. All four corners are the same.

## **Spring Mounting Code 31= 24F2, 24M2 AND Seismic Mount Code 31= 24F3, 24M3**



Ref No.	Part Description	Part Number	Qty. <sup>2</sup>
21	Mount- Spring		
	Spring Mount- Standard	251783201	1
	Seismic Mount- Seismic	251783301	1 <sup>3</sup>
31	Spring Isolator- Position 3		
	Motor H.P.= 1 thru 10	251784701	1
	Motor H.P.= 15 thru 25	251784801	1
32	Spring Isolator- Position 4		
	Motor H.P.= All	251784701	1
33	Spring Isolator- Position 2		
	Motor H.P.= 1 thru 3	251784601	1
	Motor H.P.= 5 thru 10	251784701	1
	Motor H.P.= 15 thru 20	251784801	1
	Motor H.P.= 25	251784901	1
34	Spring Isolator- Position 1		
	Motor H.P.= 1 thru 15	251784701	1
	Motor H.P.= 20 thru 25	251784801	1
81	Nut		
	Spring Mount- Standard	059992201	3
	Seismic Mount- Seismic	111056301	5 <sup>3</sup>
88	Nut	040500002	1
89	Screw		
	Spring Mount- Standard	112047201	3
	Seismic Mount- Seismic	112047201	5 <sup>3</sup>

<sup>2</sup> Drawing is common to all four corners. Quantities listed are for ONE mount.

<sup>3</sup> This part is used only when Code 31= 24A3.

## Section F- Supply Air Section

### Supply Fan Motors <sup>1</sup>

H.P.	Motor H.P. Code 32=	Unit Voltage	ODP HiEff C32= *EY	ODP PrEff. C32= *JY	TEFC HiEff C32= *HY	TEFC PrEff C32= *KY
		<b>C09= 12</b>				
1	E**	208/60/3	039447400	205167600	049100100	004735000
1.5	F**	208/60/3	039442200	205167500	049100200	046513100
2	G**	208/60/3	039895700	046515500	049100300	073321000
3	H**	208/60/3	039447500	065817100	047358100	065819400
5	J**	208/60/3	039447600	065817200	049186800	065819500
7.5	K*	208/60/3	037530300	065817300	047665900	065819600
10	L**	208/60/3	038999000	065817400	047666100	065819700
15	M**	208/60/3	039896200	065817500	049186900	065819800
20	N**	208/60/3	039895800	065817600	049187000	065819900
25	P**	208/60/3	039448900	065817700	049187100	065820000
		<b>C09= 29</b>				
1	E**	230/60/3	039446200	205162800	040161000	046513000
1.5	F**	230/60/3	039442300	046511100	040161100	046513100
2	G**	230/60/3	039446300	205163500	047446000	073321000
3	H**	230/60/3	039442400	065818100	049262300	065820100
5	J**	230/60/3	039442500	065818200	040161200	065820200
7.5	K**	230/60/3	039448700	065818300	049100500	065820300
10	L**	230/60/3	039446500	065818400	044691100	065820400
15	M**	230/60/3	039446600	065818500	038689700	065820500
20	N**	230/60/3	039448800	065818600	040161300	065820600
25	P**	230/60/3	039896100	065818700	040161400	065820700
		<b>C09= 27</b>				
1	E**	460/60/3	039446200	205162800	040161000	046513000
1.5	F**	460/60/3	039442300	046511100	040161100	046513100
2	G**	460/60/3	039446300	205163500	047446000	073321000
3	H**	460/60/3	039442400	065818100	049262300	065820100
5	J**	460/60/3	039442500	065818200	040161200	065820200
7.5	K**	460/60/3	039448700	065818300	049100500	065820300
10	L**	460/60/3	039446500	065818400	044691100	065820400
15	M**	460/60/3	039446600	065818500	038689700	065820500
20	N**	460/60/3	039448800	065818600	040161300	065820600
25	P**	460/60/3	039896100	065818700	040161400	065820700
		<b>C09= 37</b>				
1	E**	575/60/3	049180800	206500900	049188000	206505600
1.5	F**	575/60/3	049180900	206501600	049188100	205167800
2	G**	575/60/3	049181000	205168300	049188200	046514400
3	H**	575/60/3	046741600	046511700	049188300	046514500
5	J**	575/60/3	046741900	205168900	049188400	046514600
7.5	K**	575/60/3	047443300	205168800	049188500	046514700
10	L**	575/60/3	047443400	205168600	049188600	065821400
15	M**	575/60/3	047443500	205166600	049185200	065821500
20	N**	575/60/3	049181100	205166800	049188700	065821600
25	P**	575/60/3	049181200	205166900	049188800	065821700

<sup>1</sup> Note that Standard Efficiency Motors (Code 32= \*AY, \*GY) are no longer available. Use High (HiEff.) or Premium Efficiency (PrEff.) instead.

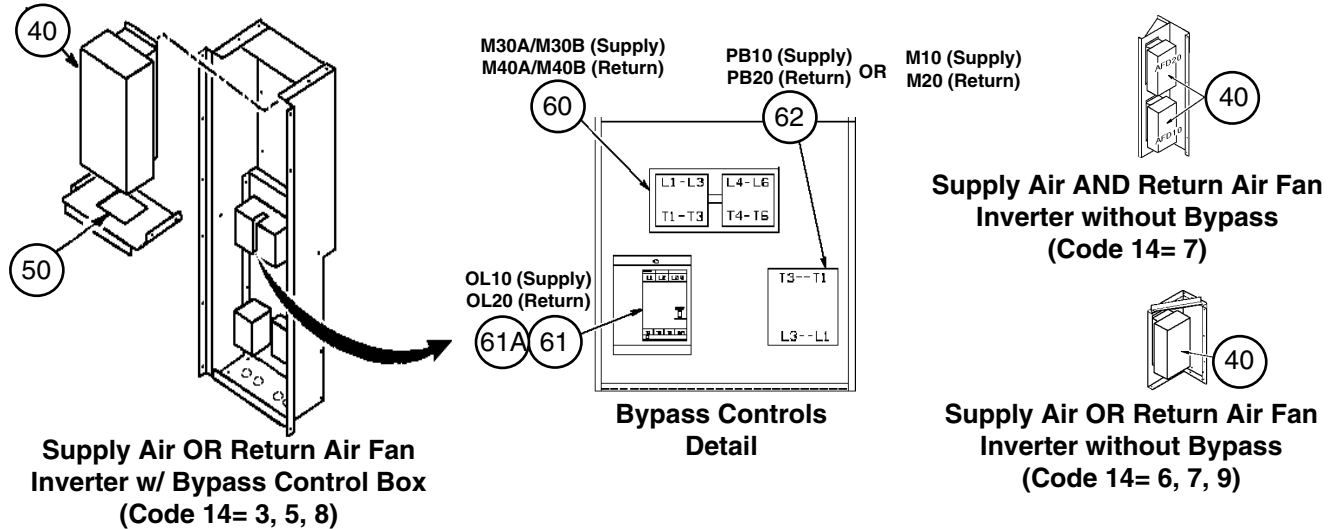
# Section F- Supply Air Section

## Inverters & Inverter Bypass Control Box

### Until 3/05 (Code 08= P) <sup>3</sup>

Inverters may be located in a separate section (Code 14= 1, 2, 4, only Inverters WITH bypass may be installed in a separate section), or the Supply Air Section (Code 14= 3, 5, 6, 7, 8, 9). The inverter and bypass controls are the same regardless of the installation location, although the sheet metal components differ. The diagrams shown below apply to either a Return Air or Supply Air Inverter (both may be installed if Code 14= 5). Even if Code 14= 8, 9— where only a Return Air Fan Inverter is called for— The inverter and bypass controls are still installed in the Supply Air Section.

<sup>3</sup> If the unit was built between 10/04 and 3/05 contact Daikin Applied to confirm installed components.



Ref No.	Sch. Sym.	Part Description	Part Number	Motor Horsepower																			
				1				1.5				2				3				5			
				208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V
40	AFD10, 20	Inverter	see Inverter Section																				
50		Gasket	055940207	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
60	M30AB M40AB	Contactor	066814301	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
61	OL10, 20	Overload	1																				
61A		Heater- OL	1																				
62	PB10,20	Power Block	030372715	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	M10, 20	Contactor	2																				

Ref No.	Sch. Sym.	Part Description	Part Number	7.5				10				15				20				25			
				208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V
40	AFD10, 20	Inverter	see Inverter Section																				
50		Gasket	055940207	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
60	M30AB M40AB	Contactor	066814301			1	1			1	1												
			066814303	1	1			1	1					1	1			1	1				
			066814304									1	1									1	1
			066814305													1							
			066814306													1				1			
			066814307																	1			
61	OL10, 20	Overload	1																				
61A		Heater- OL	1																				
62	PB10,20	Power Block	030372715	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	M10, 20	Contactor	2																				

<sup>1</sup> For part numbers for the OL10 or OL20 and associated heater see "Section N- Main Control Box Power Panel Until 3/05".

<sup>2</sup> The Inverter Bypass Box originally had a contactor (M10, M20) installed. This was replaced with Power Block (PB10, PB20). If a contactor is needed see "Section N- Main Control Box Power Panel Until 3/05" for part number(s).

# Section F- Supply Air Section

## Inverters & Inverter Bypass Control Box

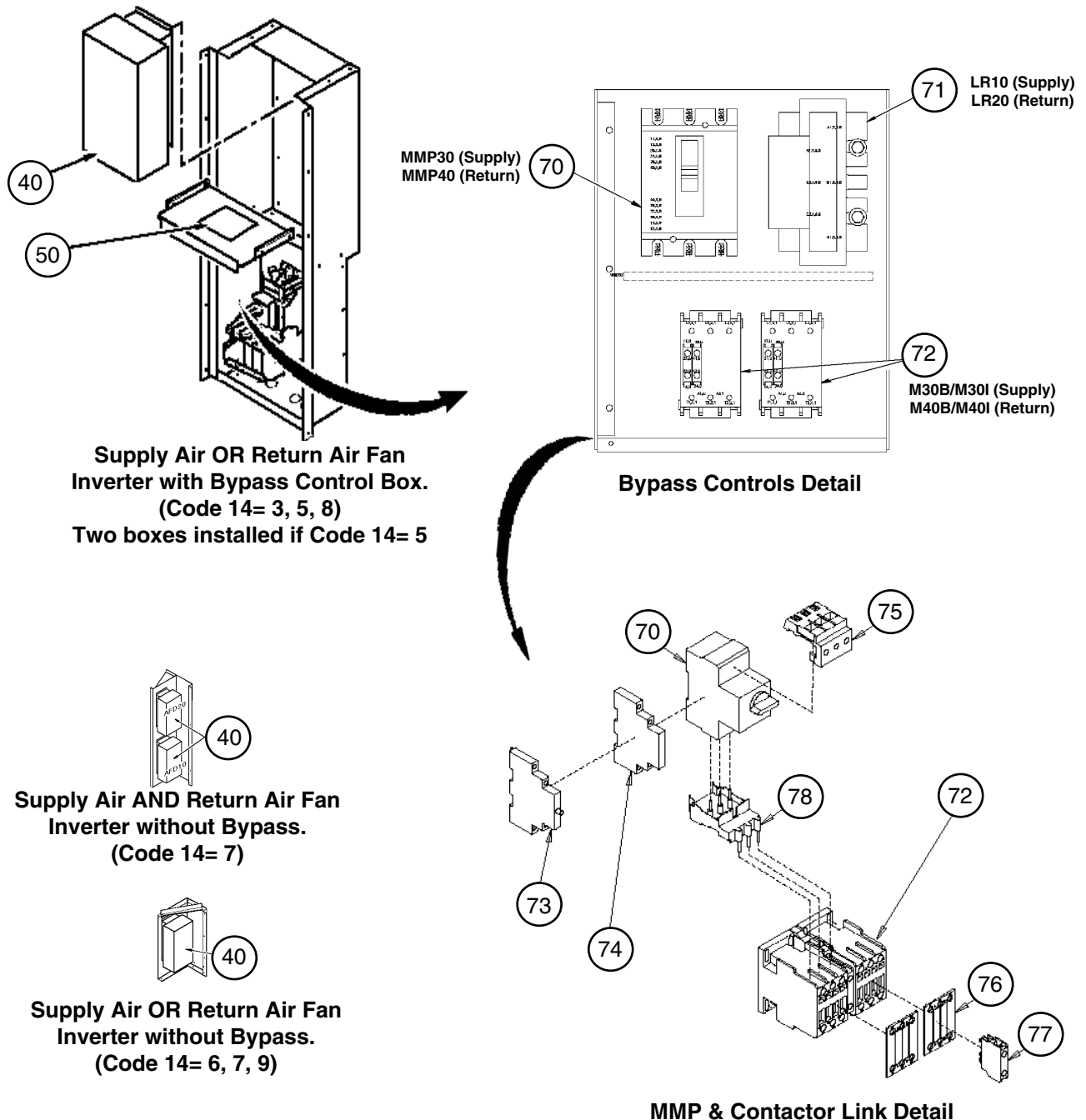
3/05 thru 10/06 (Code 08= D) <sup>1</sup>

Motor HP 1- 5 (Code 22 OR Code 32= E\*\*, F\*\*, G\*\*, H\*\*, J\*\*)

### Diagrams

Inverters may be located in a separate section (Code 14= 1, 2, 4, only Inverters WITH bypass may be installed in a separate section), or the Supply Air Section (Code 14= 3, 5, 6, 7, 8, 9). The inverter and bypass controls are the same regardless of the installation location, although the sheet metal components differ. The diagrams shown below apply to either a Return Air or Supply Air Inverter (both may be installed if Code 14= 5). Even if Code 14= 8, 9— where only a Return Air Fan Inverter is called for— The inverter and bypass controls are still installed in the Supply Air Section.

<sup>1</sup> If the unit was built between 10/04- 3/05 OR 10/06- 12/06 contact Daikin Applied to confirm installed components.



# Section F- Supply Air Section

## Inverters & Inverter Bypass Control Box

### 3/05 thru 10/06 (Code 08= D) <sup>2</sup>

### Motor HP 1- 5 (Code 22 OR Code 32= E\*\*, F\*\*, G\*\*, H\*\*, J\*\*)

### Components

<sup>2</sup> If the unit was built between 10/04- 3/05 OR 10/06- 12/06 contact Daikin Applied to confirm installed components.

Ref No.	Sch. Sym.	Part Description	Part Number	Motor Horsepower																			
				1				1.5				2				3				5			
				208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V
40	AFD10, 20	Inverter- see Inverter Section																					
50		Gasket	055940207	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
70	MMP30, 40	Motor Control	349934006				1																
			349934007			1				1	1				1								
			349934008	1	1									1					1				
			349934009					1	1				1					1				1	
			349934010									1				1	1				1		
			349934012									1				1	1				1		
71	LR10, 20	Line Reactor <sup>1</sup>	073323502			1				1				1									
			073323503																		1		
			073323516	1	1			1	1														
			073323517													1							
			073323518																1				
			073323529																			1	
			073323533															1					
			073323541									1											
			073323542														1						
			073323543										1										
			073323544																		1		
			073323550				1																
			073323551								1												
			073323552												1								
			073323553																1				
72	M30B, I	Contactor	349933101	1	1	1	1	1	1	1	1												
	M40B, I		349933102										1	1	1	1	1	1	1			1	1
			349933201																		1		
			349933301																		1		
73		Alarm- Short Circuit	349933903	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
74		Alarm/Aux. Contact	349933902	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
75		Line Shield	349933001	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
76		Cover- Contactor	349932801	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			2	2
			349932802																		2		
			349932803																	2			
77		Aux. Contact Block	N/A																				
78		Link Module	349932902	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			1	1
			349932903																		1		
			349932904																	1			

N/A= Not Applicable.

<sup>1</sup> Line Reactors used when Code 17= CL, CE, CH, CJ, CK, C4, C6, C7, C8, YL, YE, YH, YJ, YK, Y4, Y6, Y7, Y8.

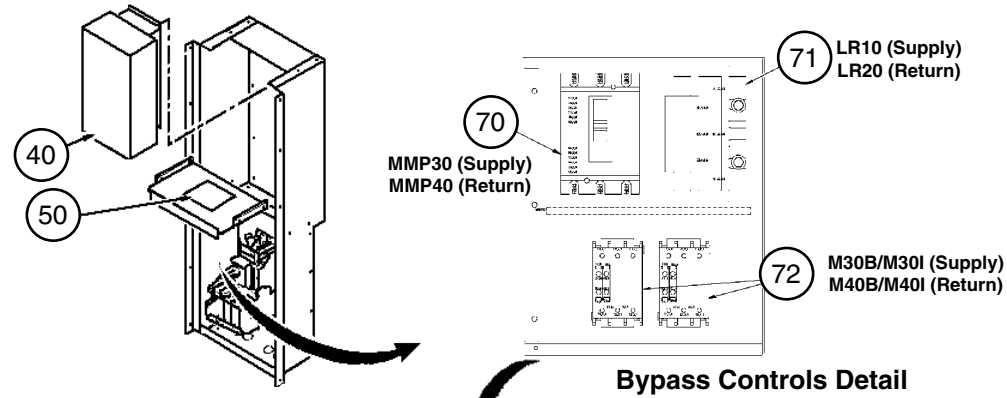
# Section F- Supply Air Section

## Inverters & Inverter Bypass Control Box

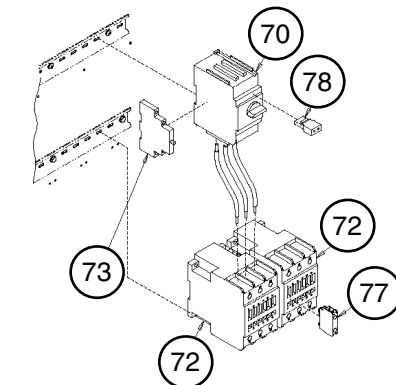
### 3/05 thru 10/06 (Code 08= D) <sup>1</sup>

### Motor HP 7.5- 25 (Code 22= K\*\* L\*\*, M\*\*, N\*\* OR Code 32= K\*\* L\*\*, M\*\*, N\*\*, P\*\*)- Diagrams

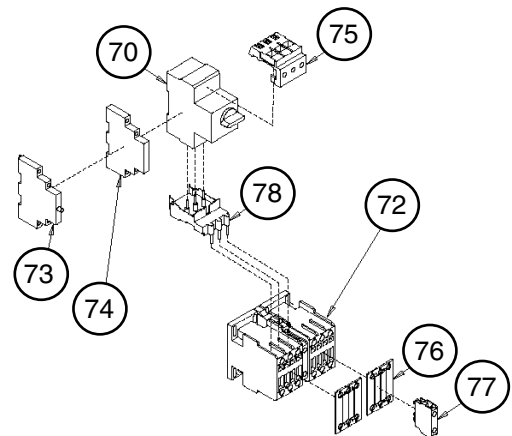
<sup>1</sup> If the unit was built between 10/04- 3/05 OR 10/06- 12/06 contact Daikin Applied to confirm installed components.



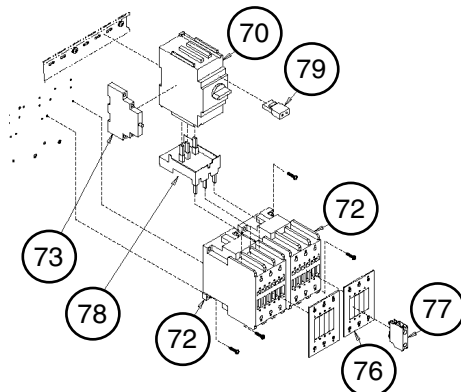
Supply Air OR Return Air Fan  
Inverter w/Bypass Control Box.  
(Code 14= 3, 5, 8)  
Two boxes installed if C14= 5



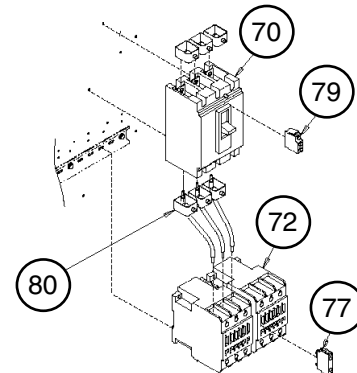
**MMP & Contactor Link Detail**  
MMP p/n 349934109



**MMP & Contactor Link Detail**  
MMP p/n 3499340xx



**MMP & Contactor Link Detail**  
MMP p/n 349934105,06,07,08



**MMP & Contactor Link Detail**  
MMP p/n 349938606

**Section F- Supply Air Section**  
**Inverters & Inverter Bypass Control Box**  
**3/05 thru 10/06 (Code 08= D) <sup>2</sup>**  
**Motor HP 7.5- 25 (Code 22= K\*\* L\*\*, M\*\*, N\*\* OR**  
**Code 32= K\*\* L\*\*, M\*\*, N\*\*, P\*\*)- Components**

<sup>2</sup> If the unit was built between 10/04- 3/05 OR 10/06- 12/06 contact Daikin Applied to confirm installed components.

Ref No.	Sch. Sym.	Part Description	Part Number	Motor Horsepower																			
				7.5				10				15				20				25			
				208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V
40	AFD10, 20	Inverter- see Inverter Section																					
50		Gasket	055940207	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
70	MMP30, 40	Motor Control	349934010				1																
			349934011			1				1													
			349934012							1													
			349934013												1								
			349934014		1									1									
			349934105	1														1					
			349934106					1	1								1					1	
			349934107																		1		
			349934108									1	1										
			349934109													1	1				1		
			349938606																	1			
71	LR10, 20	Line Reactor <sup>1</sup>	073323504			1																	
			073323505							1													
			073323506											1									
			073323507																			1	
			073323511									1											
			073323512													1							
			073323519	1																			
			073323520					1															
			073323521																	1			
			073323526																				1
			073323527									1											
			073323530														1						
			073323531													1							
			073323532				1												1				
			073323534															1					
			073323537										1										
			073323538														1						
			073323545		1																		
			073323546						1														
			073323547																		1		

<sup>1</sup> Line Reactors used when Code 17= CL, CE, CH, CJ, CK, C4, C6, C7, C8, YL, YE, YH, YJ, YK, Y4, Y6, Y7, Y8.

**Section F- Supply Air Section**  
**Inverters & Inverter Bypass Control Box**  
**3/05 thru 10/06 (Code 08= D) <sup>1</sup>**  
**Motor HP 7.5- 25 (Code 22= K\*\* L\*\*, M\*\*, N\*\* OR**  
**Code 32= K\*\* L\*\*, M\*\*, N\*\*, P\*\*)- Components, Continued**

<sup>1</sup> If the unit was built between 10/04- 3/05 OR 10/06- 12/06 contact Daikin Applied to confirm installed components.

Ref No.	Sch. Sym.	Part Description	Part Number	Motor Horsepower																			
				7.5				10				15				20				25			
				208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V
72	M30B, I	Contactor	349933102			1	1				1												
	M40B, I		349933201							1													
			349933301		1									1	1								
			349933401	1																			
			349933501					1	1			1	1					1	1			1	1
			349933601														1	1			1	1	
73		Alarm- Short Circuit	349933903	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1
74		Alarm/Aux. Contact	349933902		1	1	1			1	1			1	1								
75		Line Shield	349933001		1	1	1			1	1			1	1								
76		Cover- Contactor	349932801			2	2				2												
			349932802							2													
			349932803		2									2	2								
			349932804	2																			
			349932805					2	2			2	2					2	2			2	2
77		Aux. Contact Block	349933804	1				1	1			1	1			1	1	1	1		1	1	1
78		Link Module	349932902			1	1				1												
			349932903							1													
			349932904		1									1	1								
			349932906	1																			
			349932907					1	1			1	1					1	1			1	1
79		Aux. Contact	349938701																	1			
80		Lug	349938801																	6			



## Section F- Supply Air Section

### Inverters & Inverter Bypass Control Box

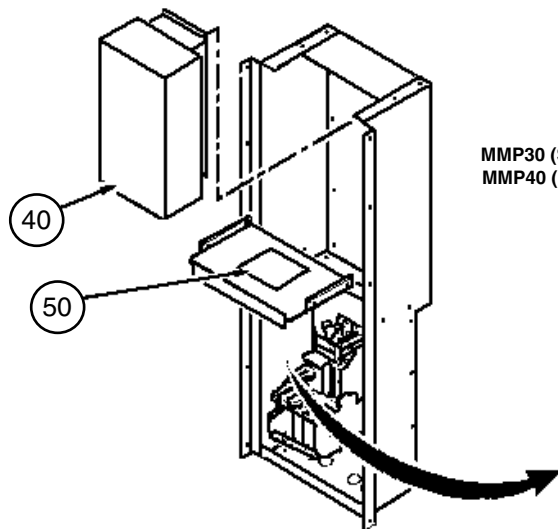
1/07 to 3/13 (Code 08= D) <sup>1</sup>

**Motor HP 1- 5 (Code 22 OR Code 32= E\*\*, F\*\*, G\*\*, H\*\*, J\*\*)**

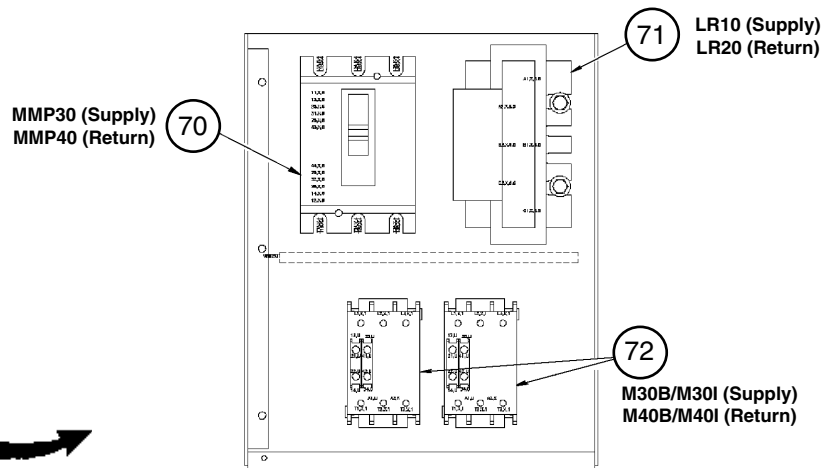
### Diagrams

Inverters may be located in a separate section (Code 14= 1, 2, 4, only Inverters WITH bypass may be installed in a separate section), or the Supply Air Section (Code 14= 3, 5, 6, 7, 8, 9). The inverter and bypass controls are the same regardless of the installation location, although the sheet metal components differ. The diagrams shown below apply to either a Return Air or Supply Air Inverter (both may be installed if Code 14= 5). Even if Code 14= 8, 9— where only a Return Air Fan Inverter is called for— The inverter and bypass controls are still installed in the Supply Air Section.

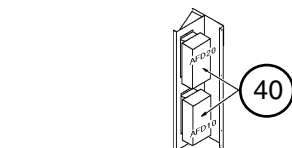
<sup>1</sup> If the unit was built between 10/04- 3/05 OR 10/06- 12/06 contact Daikin Applied to confirm installed components.



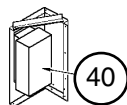
**Supply Air OR Return Air Fan  
Inverter with Bypass Control Box.  
(Code 14= 5, 8)  
Two boxes installed if Code 14= 5**



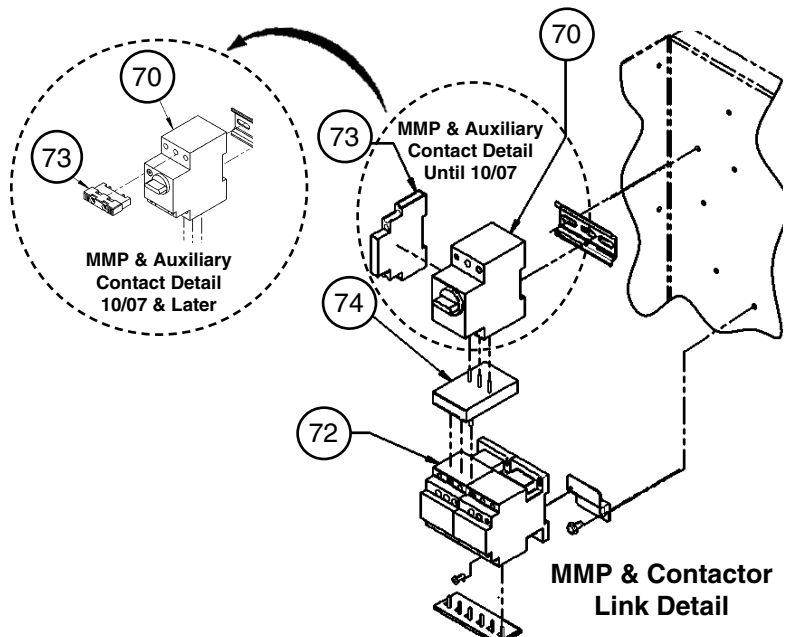
**Bypass Controls Detail**



**Supply Air AND Return Air Fan  
Inverter without Bypass.  
(Code 14= 7)**



**Supply Air OR Return Air Fan  
Inverter without Bypass.  
(Code 14= 7, 9)**



# Section F- Supply Air Section

## Inverters & Inverter Bypass Control Box

### 1/07 to 3/13 (Code 08= D) <sup>5</sup>

### Motor HP 1- 5 (Code 22 OR Code 32= E\*\*, F\*\*, G\*\*, H\*\*, J\*\*)

### Components

<sup>5</sup> If the unit was built between 10/06- 12/06 contact Daikin Applied to confirm installed components.

Ref No.	Sch. Sym.	Part Description	Part Number	Motor Horsepower																			
				1				1.5				2				3				5			
				208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V
40	AFD10, 20	Inverter- see Inverter Section																					
50		Gasket	055940207	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
70	MMP30, 40	Motor Control	349934046			1	1																
			349934047						1	1					1								
			349934048	1	1									1					1				
			349934049					1	1				1					1					1
			349934050									1					1					1	
			349934051									1					1					1	
			349934052														1				1	1	
71	LR10, 20	Line Reactor <sup>1</sup>	073323502			1				1				1									
			073323503																			1	
			073323517														1	1					
			073323518																	1	1		
			073323533																1				
			073323541	1	1			1	1			1	1										
			349964929 <sup>3</sup>																				1
			349964953 <sup>3</sup>				1				1				1				1				
72	M30B, I	Contactor	349933121	1	1	1	1	1	1	1	1	1	1	1			1	1			1	1	
	M40B, I		349933122													1	1						
			349933123																	1	1		
73		Aux. Contact <sup>2</sup>	349933922	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		Aux. Contact <sup>4</sup>	349933821	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
74		Link Module	349932922	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

<sup>1</sup> Line Reactors used when Code 17= CL, CE, CH, CJ, CK, C4, C6, C7, C8, YL, YE, YH, YJ, YK, Y4, Y6, Y7, Y8.

<sup>2</sup> Side Mounted 1NO/ 1 NC. Until 10/07.

<sup>3</sup> These are 5% impedance Line Reactors. Some units may have 3% impedance Line Reactors, the 5% may be used in their place. Due to dimensional differences, minor field modifications may be required for proper installation.

<sup>4</sup> Front Mounted 1NO OR NC. 10/07 & later.

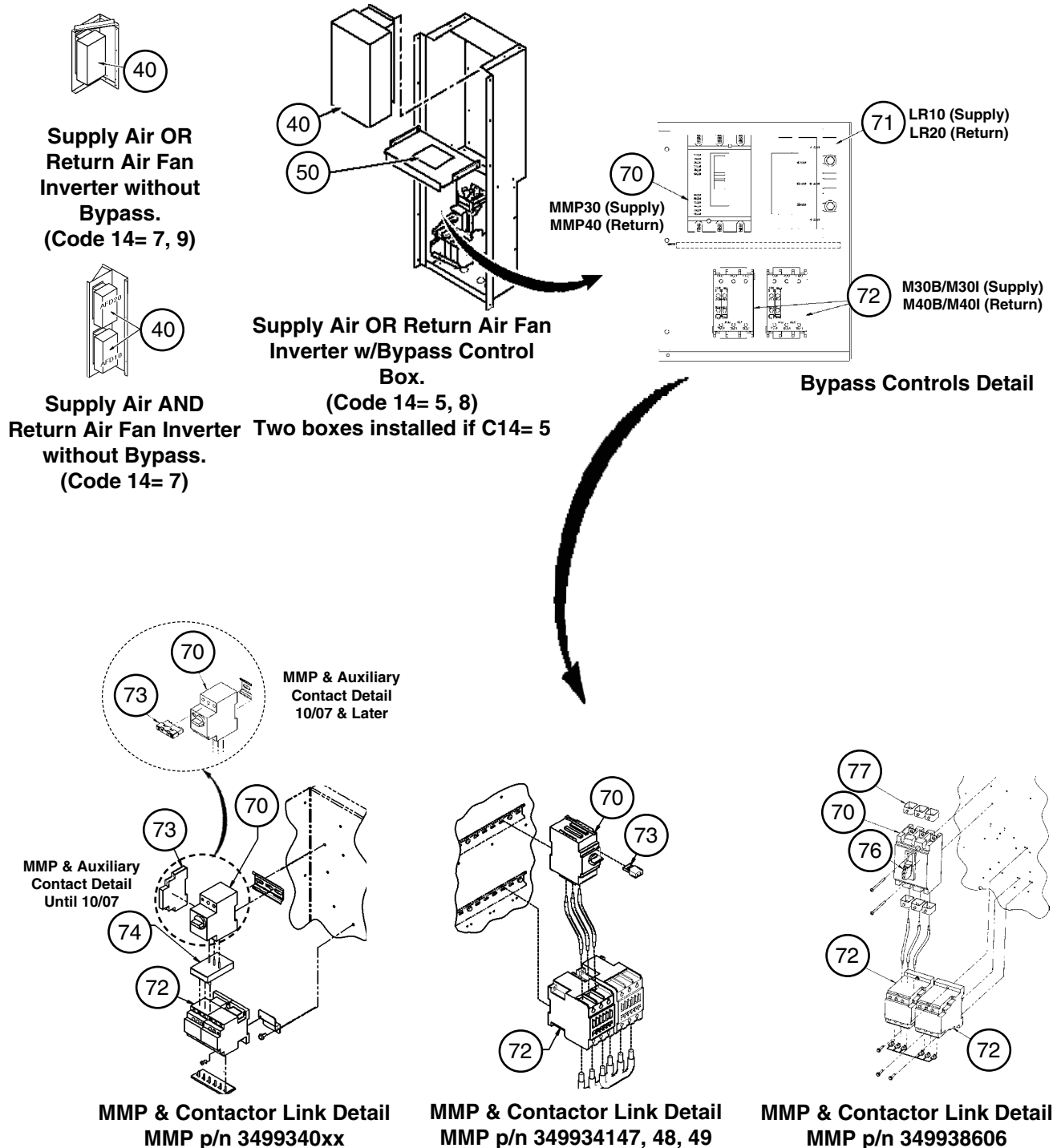
# Section F- Supply Air Section

## Inverters & Inverter Bypass Control Box

1/07 to 3/13 (Code 08= D) <sup>1</sup>

Motor HP 7.5- 25 (Code 22= K\*\* L\*\*, M\*\*, N\*\* OR  
Code 32= K\*\* L\*\*, M\*\*, N\*\*, P\*\*)- Diagrams

<sup>1</sup> If the unit was built between 10/06- 12/06 contact Daikin Applied to confirm installed components.



# Section F- Supply Air Section

## Inverters & Inverter Bypass Control Box

### 1/07 to 3/13 (Code 08= D) <sup>3</sup>

### Motor HP 7.5- 25 (Code 22= K\*\* L\*\*, M\*\*, N\*\* OR Code 32= K\*\* L\*\*, M\*\*, N\*\*, P\*\*)- Components

<sup>3</sup> If the unit was built between 10/06- 12/06 contact Daikin Applied to confirm installed components.

Ref No.	Sch. Sym.	Part Description	Part Number	Motor Horsepower																			
				7.5				10				15				20				25			
				208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V
40	AFD10, 20	Inverter- see page after next																					
50		Gasket	055940207	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
70	MMP30, 40	Motor Control	349934050				1																
			349934051			1				1													
			349934052							1				1									
			349934053		1								1					1					
			349934054	1																		1	
			349934055					1									1						
			349934147					1													1		
			349934148									1	1										
			349934149												1	1			1				
			349938606																1				
71	LR10, 20	Line Reactor <sup>1</sup>	073323504			1																	
			073323505							1													
			073323506										1										
			073323507																		1		
			073323511									1	1										
			073323512												1	1							
			073323519	1	1																		
			073323520					1	1														
			073323521																1	1			
			073323534														1						
			349964926 <sup>2</sup>																			1	
			349964927 <sup>2</sup>								1												
			349964930 <sup>2</sup>											1									
			349964931 <sup>2</sup>															1					
			349964932 <sup>2</sup>			1																	

<sup>1</sup> Line Reactors used when Code 17= CL, CE, CH, CJ, CK, C4, C6, C7, C8, YL, YE, YH, YJ, YK, Y4, Y6, Y7, Y8.

<sup>2</sup> These are 5% impedance Line Reactors. Some units may have 3% impedance Line Reactors, the 5% may be used in their place. Due to dimensional differences, minor field modifications may be required for proper installation..

**Section F- Supply Air Section**  
**Inverters & Inverter Bypass Control Box**  
**1/07 to 3/13 (Code 08= D) <sup>4</sup>**  
**Motor HP 7.5- 25 (Code 22= K\*\* L\*\*, M\*\*, N\*\* OR**  
**Code 32= K\*\* L\*\*, M\*\*, N\*\*, P\*\*)- Components, Continued**

<sup>4</sup> If the unit was built between 10/06- 12/06 contact Daikin Applied to confirm installed components.

Ref No.	Sch. Sym.	Part Description	Part Number	Motor Horsepower																			
				7.5				10				15				20				25			
				208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V
72	M30B, I	Contactor	349933121				1																
	M40B, I		349933122			1				1													
			349933123							1					1								
			349933321	1	1									1					1				
			349933322						1									1				1	
			349933521					1													1		
			349933522									1	1										
			349933523													1	1						
			349933621																	1	1		
73		Contact- Auxiliary <sup>2</sup>	349933804										1	1			1	1			1	1	
		Contact- Auxiliary <sup>1</sup>	349933922	1	1	1	1	1	1	1	1	1			1	1			1	1		1	
		Contact- Auxiliary <sup>3</sup>	349933821	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
74		Link	349932922	1	1	1	1	1	1	1	1	1			1	1			1	1		1	
76		Interlock- Trip	349938701																	1			
77		Lug Kit (3 per kit)	349938801																	2			

<sup>1</sup> Side Mounted, 1 NO/1 NC. Until 10/07.

<sup>2</sup> Front Mounted, NC. Until 10/07.

<sup>3</sup> Front Mounted, 1 NO OR NC. 10/07 & later.

# Section F- Supply Air Section

## Inverters & Inverter Bypass Control Box

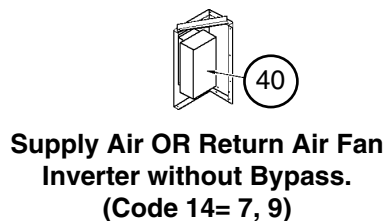
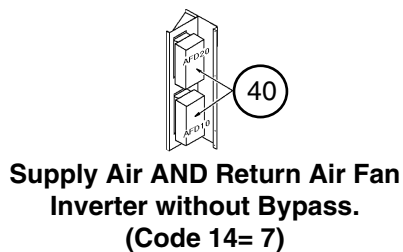
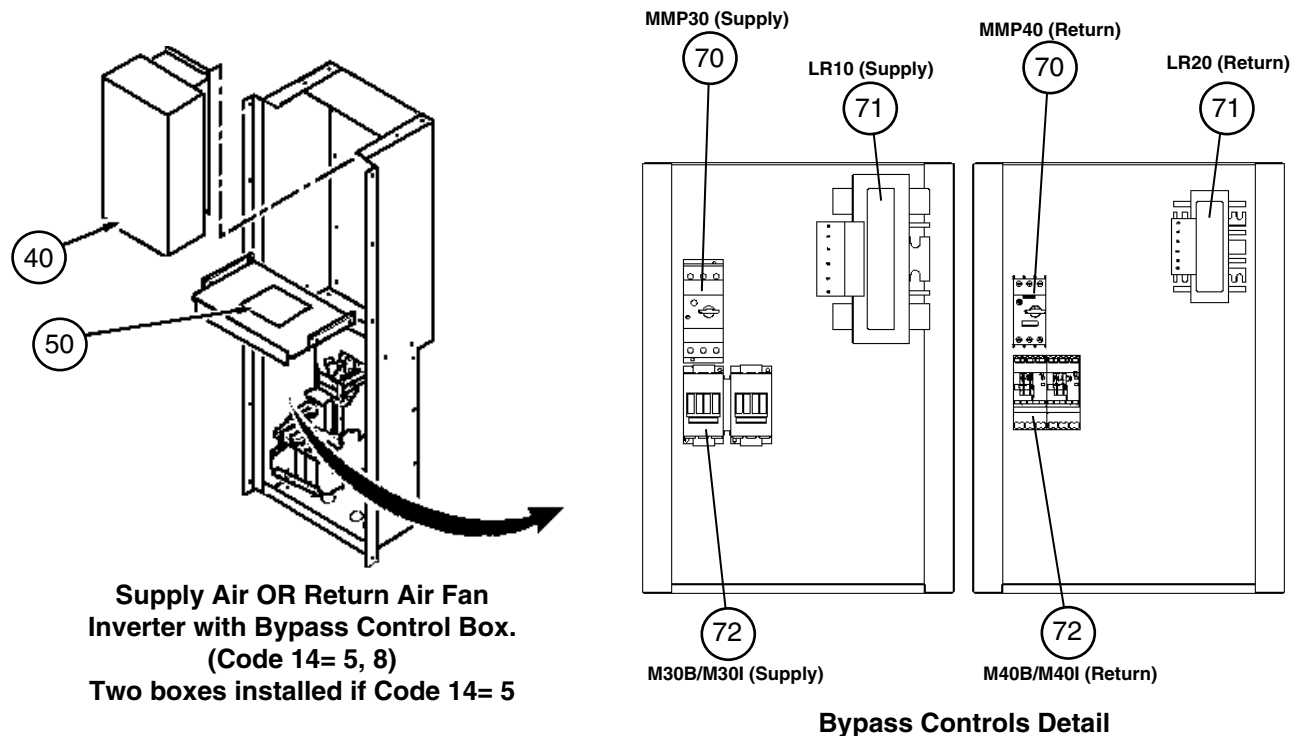
### 6/13 & Later <sup>1</sup>

### Motor HP 1- 5 (Code 22 OR Code 32= E\*\*, F\*\*, G\*\*, H\*\*, J\*\*)

### Diagrams

Inverters may be located in a separate section (Code 14= 1, 2, 4, only Inverters WITH bypass may be installed in a separate section), or the Supply Air Section (Code 14= 3, 5, 6, 7, 8, 9). The inverter and bypass controls are the same regardless of the installation location, although the sheet metal components differ. The diagrams shown below apply to either a Return Air or Supply Air Inverter (both may be installed if Code 14= 5). Even if Code 14= 8, 9— where only a Return Air Fan Inverter is called for— The inverter and bypass controls are still installed in the Supply Air Section.

<sup>1</sup> If the unit was built between 04/13- 05/13 contact Daikin Applied to confirm installed components.

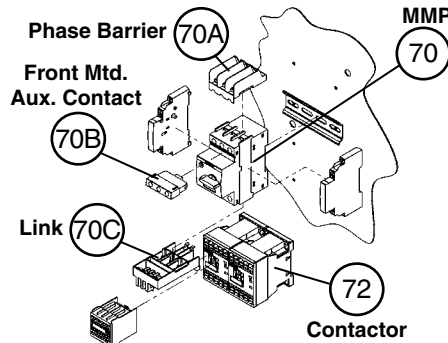


## Section F- Supply Air Section

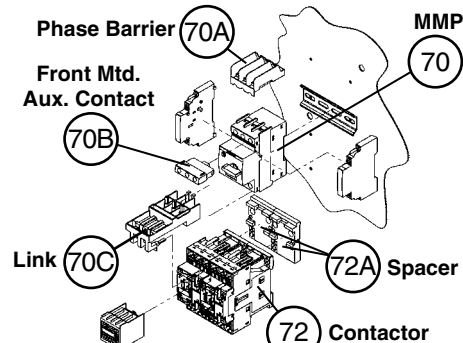
### Inverters & Inverter Bypass Control Box

#### 6/13 & Later <sup>3</sup>

### Motor HP 1- 5 (Code 22 OR Code 32= E\*\*, F\*\*, G\*\*, H\*\*, J\*\*)- Components



**MMP30/40 & M30/40 Link Detail**  
1- 2 HP Motors- All Voltages  
3, 5 HP Motors- 460/575V



**MMP30/40 & M30/40 Link Detail**  
3, 5 HP Motors- 208/230V

<sup>3</sup> If the unit was built between 04/13- 05/13 contact Daikin Applied to confirm installed components.

Ref No.	Sch. Sym.	Part Description	Part Number	Motor Horsepower																			
				1				1.5				2				3				5			
				208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V
40	VFD10, 20	Inverter- see Inverter section																					
50		Gasket	055940207	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
70	MMP30, 40	Motor Protector	193542904				1				1												
			193542905			1			1														
			193542907												1								
			193542908		1				1					1									
			193542909	1				1															
			193542910														1	1					
			193542911									1											
			193542912									1									1	1	
			193543007													1	1						
			193543009																	1	1		
70A		Phase Barrier	193545501	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
70B		Aux. Contact	193543801	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
70C		Link	193545901	1	1	1	1	1	1	1			1	1			1	1					
			193546001													1	1			1	1		
71	LR10, 20	Line Reactor <sup>1</sup>	073323502			1			1				1				1						
			073323503																		1		
			073323517													1	1						
			073323518																1	1			
			073323533															1					
			073323541	1	1			1	1			1	1										
			349964929 <sup>2</sup>																			1	
			349964953 <sup>2</sup>				1			1				1				1					
72	M30B, I	Contactor	193592105													1	1						
	M40B, I		193592106																	1			
			193539105	1	1	1	1	1	1	1	1	1	1	1			1	1				1	
			193539106								1										1		
			193539304																	1			
72A		Spacer	193545801													2	2			2	2		

<sup>1</sup> Line Reactors used when Code 17= CL, CE, CH, CJ, CK, C4, C6, C7, C8, YL, YE, YH, YJ, YK, Y4, Y6, Y7, Y8.

<sup>2</sup> These are 5% impedance Line Reactors. Some units may have 3% impedance Line Reactors, the 5% may be used in their place. Due to dimensional differences, minor field modifications may be required for proper installation.

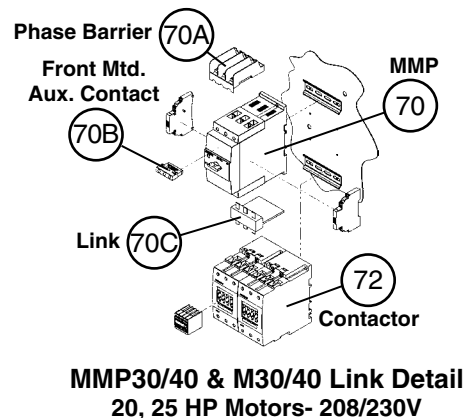
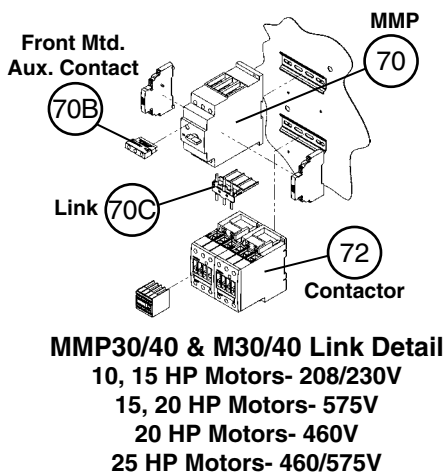
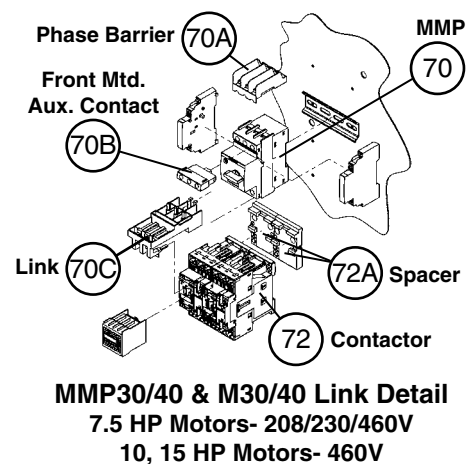
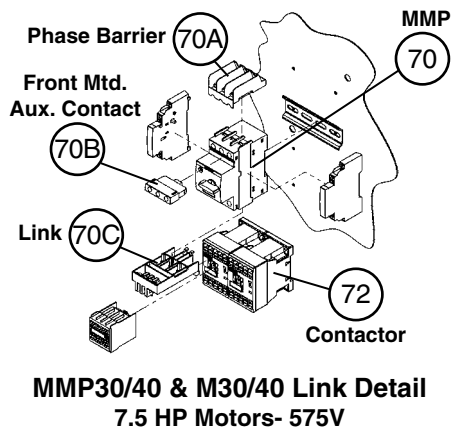
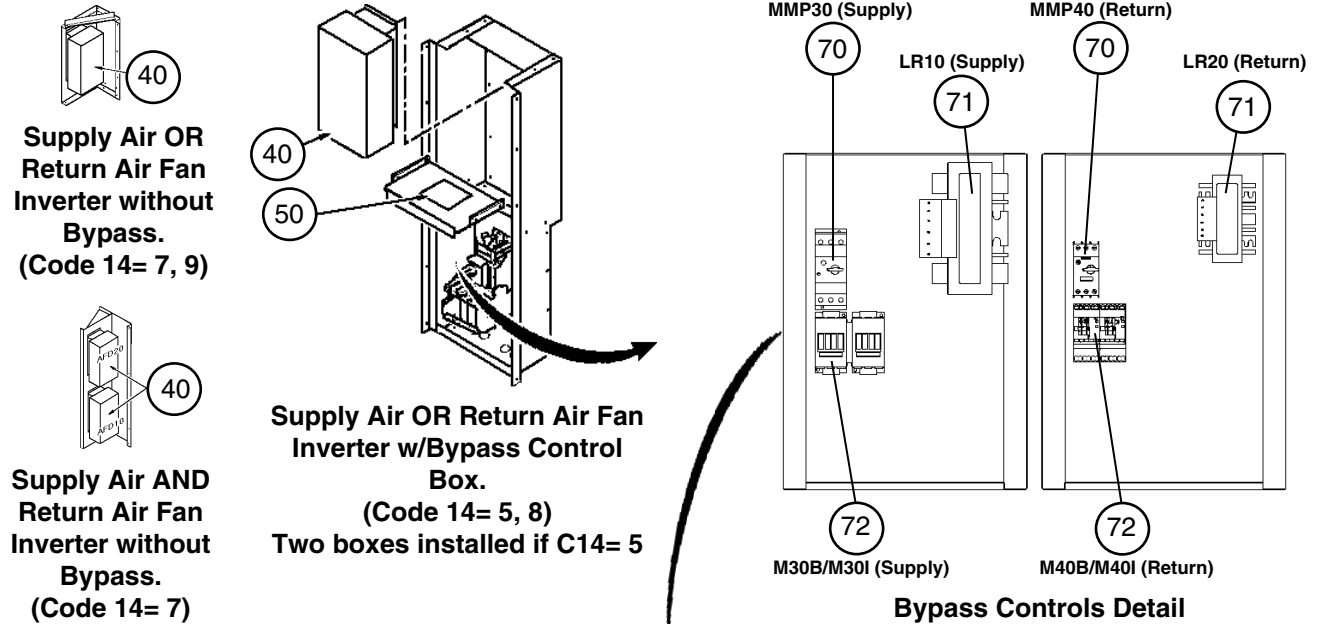
# Section F- Supply Air Section

## Inverters & Inverter Bypass Control Box

### 6/13 & Later <sup>1</sup>

**Motor HP 7.5- 25 (Code 22= K\*\* L\*\*, M\*\*, N\*\* OR Code 32= K\*\* L\*\*, M\*\*, N\*\*, P\*\*) - Diagrams**

<sup>1</sup> If the unit was built between 04/13- 05/13 contact Daikin Applied to confirm installed components.





# Section F- Supply Air Section

## Inverters & Inverter Bypass Control Box

### 6/13 & Later <sup>1</sup>

**Motor HP 7.5- 25 (Code 22= K\*\* L\*\*, M\*\*, N\*\* OR  
Code 32= K\*\* L\*\*, M\*\*, N\*\*, P\*\*)- Components**

<sup>1</sup> If the unit was built between 04/13- 05/13 contact Daikin Applied to confirm installed components.

Ref No.	Sch. Sym.	Part Description	Part Number	Motor Horsepower																			
				7.5				10				15				20				25			
				208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V
40	AFD10, 20	Inverter- see Inverter section																					
50		Gasket	055940207	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
70	MMP30, 40	Motor Protector	193542913				1																
			193543008			1				1													
			193543009							1													
			193543010											1									
			193543011		1																		
			193543012	1																			
			193543301												1								
			193543303															1					
			193543304					1	1									1				1	1
			193543305										1										
			193543306									1						1	1			1	
			193543403																		1		
			193543404																	1			
70A		Phase Barrier	193545501	1	1	1	1			1	1			1									
			193547301														1	1			1	1	
70B		Contact- Auxiliary	193543801	1	1	1	1			1	1			1									
			193546201					1	1			1	1		1	1	1	1	1	1	1	1	1
70C		Link	193545901				1																
			193546001	1	1	1				1	1			1									
			193547401					1	1			1	1		1			1	1			1	1
			193547501														1	1			1	1	

# Section F- Supply Air Section

## Inverters & Inverter Bypass Control Box

### 6/13 & Later <sup>2</sup>

**Motor HP 7.5- 25 (Code 22= K\*\* L\*\*, M\*\*, N\*\* OR  
Code 32= K\*\* L\*\*, M\*\*, N\*\*, P\*\*)- Components, Continued**

<sup>2</sup> If the unit was built between 04/13- 05/13 contact Daikin Applied to confirm installed components.

Ref No.	Sch. Sym.	Part Description	Part Number	Motor Horsepower																			
				7.5				10				15				20				25			
				208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V
71	LR10, 20	Line Reactor <sup>1</sup>	073323504			1																	
			073323505						1														
			073323506									1											
			073323507																			1	
			073323511								1	1											
			073323512												1	1							
			073323519	1	1																		
			073323520					1	1														
			073323521																	1	1		
			073323534															1					
			349964926																				1
			349964927								1												
			349964930												1								
			349964931																1				
			349964932				1																
72	M30B, I																						
	M40B, I	Contactor	9A 193539106				1																
			12A 193592105			1					1												
			16A 193592106								1												
			25A 193539304	1	1									1	1				1				
			32A 193539501					1	1									1				1	1
			50A 193539502									1	1										
			65A 193539601													1	1						
			80A 193539602																	1	1		
72A		Spacer	193545801	2	2	2				2	2			2									

<sup>1</sup> Line Reactors used when Code 17= CL, CE, CH, CJ, CK, C4, C6, C7, C8, YL, YE, YH, YJ, YK, Y4, Y6, Y7, Y8.

## Section F- Supply Air Section Inverters

**Code 15= A Model 550 (8/04 & Later) <sup>1</sup>**

Part Number	Motor Horsepower																													
	1			1.5			2			3			5			7.5			10			15			20			25		
	208/230V	460V	575V	208/230V	460V	575V	208/230V	460V	575V	208/230V	460V	575V	208/230V	460V	575V	208/230V	460V	575V	208/230V	460V	575V	208/230V	460V	575V	208/230V	460V	575V			
112046001		1			1			1			1																			
112046002														1																
112046003																	1													
112046004																				1										
112046005																							1							
112046006																									1					
112046007																											1			
112046014	1				1			1			1																			
112046015													1																	
112046016															1															
112046017																		1												
112046018																					1									
112046019																								1						
112046020																											1			
112046026			1			1			1			1																		
112046027														1																
112046028																	1													
112046029																				1										
112046030																						1								
112046031																									1					
112046032																												1		

<sup>1</sup> Model ACH401 ABB brand Inverters used 08/04 and earlier have been discontinued and are NO LONGER AVAILABLE. Note that repair parts for Model 401 Inverters are also NO LONGER AVAILABLE. Replace ALL Model 401 Inverters with the comparable Model ACH550 p/n shown above. The Keypad Display for Model 550 Inverters is p/n 300040924.

## Section F- Supply Air Section

### Inverters, Continued

Code 15= R Model VTAC9

Part Number	Motor Horsepower																	
	1			1.5			2			3			5			7.5		
	208/230V	460V	575V	208/230V	460V	575V	208/230V	460V	575V	208/230V	460V	575V	208/230V	460V	575V	208/230V	460V	575V
098861454													1					
098861455														1				
098861456															1			
098861457																1		
098861458																	1	
098861459																		1
098861467	1			1			1			1								
098861468												1						
098861469														1				
098861470															1			

Code 15= G Model 3500

Part Number	Motor Horsepower																															
	1, 1.5, 2				3				5				7.5				10				15				20				25			
	208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V				
098656901			1																													
098656902						1																										
098656903											1																					
098656904															1																	
098656905																			1													
098656906																						1										
098656907																									1							
098656908																												1				
098656914	1																															
098656915					1																											
098656916								1																								
098656917												1																				
098656918															1																	
098656919																			1													
098656920																						1										
098656921																									1							
098656924		1																														
098656925						1																										
098656926										1																						
098656927														1																		
098656928																	1															
098656929																			1													
098656930																									1							
098656931																										1						
098656943				1			1				1																					
098656944															1																	
098656945																			1													
098656946																							1									
098656947																									1							
098656948																												1				

## Section F- Supply Air Section

### Inverters, Continued

Code 15= S, Q MD2, MD3, MD6

Part Number	Motor Horsepower																	
	1			1.5			2			3			5			7.5		
	208/230V	460V	575V	208/230V	460V	575V	208/230V	460V	575V	208/230V	460V	575V	208/230V	460V	575V	208/230V	460V	575V
349956606 <sup>1</sup>	1			1			1											
349956607 <sup>1</sup>										1								
349956609 <sup>1</sup>													1					
349956610 <sup>1</sup>															1			
349956611 <sup>1</sup>																1		
349956612 <sup>1</sup>																	1	
349956613 <sup>1</sup>																		1
349956614 <sup>1</sup>																		1
349956622 <sup>1</sup>		1			1			1										
349956623 <sup>1</sup>										1								
349956625 <sup>1</sup>													1					
349956626 <sup>1</sup>															1			
349956627 <sup>1</sup>																1		
349956628 <sup>1</sup>																	1	
349956629 <sup>1</sup>																		1
349956630 <sup>1</sup>																		1
349956737 <sup>2, 4</sup>			1			1												
349956738 <sup>2, 4</sup>								1										
349956739 <sup>2, 4</sup>										1								
349956741 <sup>2, 4</sup>													1					
349956742 <sup>2, 4</sup>															1			
349956743 <sup>2, 4</sup>																1		
349956744 <sup>2, 4</sup>																	1	
349956745 <sup>2, 4</sup>																		1
349956647 <sup>3</sup>																		1

<sup>1</sup> MD2 Remote Keypad p/n is 349958801.

<sup>2</sup> MD3 Remote Keypad p/n is 349958802.

<sup>3</sup> MD6 Remote Keypad p/n is 349958805 + Mount p/n 349958803.

<sup>4</sup> For 575V units with an MD3 Inverter and motor under 25 HP a line reactor will be installed regardless of whether one is specified in Code 17.

## Section F- Supply Air Section

### Inverters, Continued

Code 15= B (MD4, MD5) <sup>1</sup>

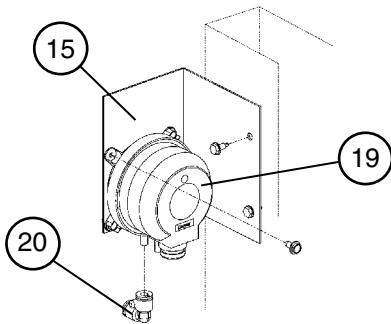
Part Number	Motor Horsepower																	
	1			1.5			2			3			5			7.5		
	208/230V	460V	575V	208/230V	460V	575V	208/230V	460V	575V	208/230V	460V	575V	208/230V	460V	575V	208/230V	460V	575V
193552243	1																	
193552293		1																
193552397			1															
193552245				1			1											
193552295					1			1										
193552326						1			1			1						
193552246										1								
193552296											1							
193552215													1					
193552202														1				
193552327															1			
193552216																1		
193552203																	1	
193552328																		1
193552217																1		
193552204																	1	
193552329																		1
193552218																	1	
193552205																		1
193552330																		
193552319																		
193552206																		
193552331																		
193552320																		
193552207																		
193552332																		

<sup>1</sup> The replacement VFD Keypad Display is p/n 300040924.

# Section F- Supply Air Section

## Section Mounted Controls

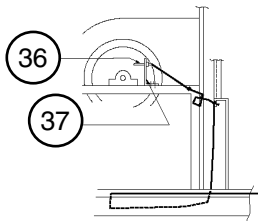
### PC7, EFT, HL22, LT10, S10, REC10, UV Lights



#### PC7- Proof of Airflow Pressure Control

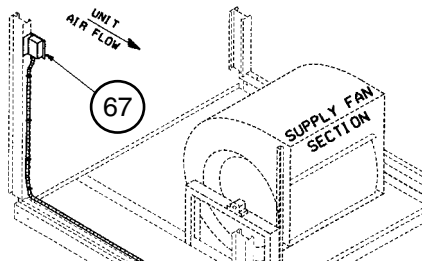
Ref No.	Part Description	Part Number	Qty.
15	Bracket	1	1
19	Pressure Control- PC7	1	1
20	Pneumatic Fitting	1	1

<sup>1</sup> In 06/12 the design of PC7 was changed. Units equipped with the old style PC7 Switch require Retrofit Kit 910122413 for proper installation as old and new parts are NOT interchangeable. The Switch only is p/n 910115489, the Pneumatic Fitting is p/n 910122414, and the Support Bracket is p/n 910122290.



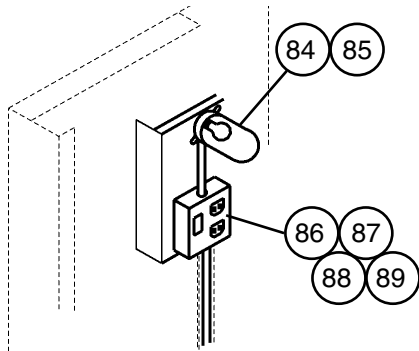
#### EFT- Entering Fan Temperature Sensor

Ref No.	Part Description	Part Number	Qty.
37	Bracket- EFT	059651301	1
36	Entering Air Temp.		
	MicroTech Controls	059974605	1
	MicroTech II Controls	060004705	1
	MicroTech III Controls	193414602	1



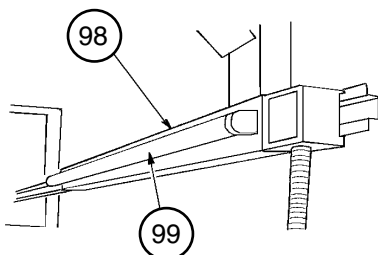
#### HL22- Gas Heat Hi Limit Switch— C04= A

Ref No.	Part Description	Part Number	Qty.
67	T-stat- HL22 Hi Limit	047938801	1



#### LT10- Supply Fan Light/S10- Supply Fan Light Switch/REC10- Supply Fan Light Receptacle Code 49= B, E

Ref No.	Part Description	Part Number	Qty.
84	Light Fixture	042229500	1
85	Bulb- LT10	065492402	1
86	Junction Box	065491901	1
87	Junction Box Cover	065492001	1
88	Light Switch- S10	065492201	1
89	Receptacle- REC10	030187000	1

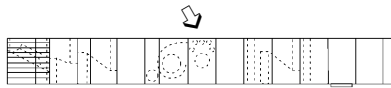


#### UV Lights Code 17= C1 thru C8, Y1 thru Y8

Ref No.	Part Description	Part Number	Qty.
98	Lamp Holder- 18"	205484001	1
	Lamp Holder- 24"	205484101	1
	Lamp Holder- 36"	205484201	1
99	Lamp- 18"	205484501	1
	Lamp- 24"	205484601	1
	Lamp- 36"	205484701	1

# Section G- Blow-Thru Heat Section

## Notes



Primary Codes that pertain: 04, 34

Additional Codes that pertain: 06, 07, 09, 12, 31, 35, 38, 39, 40, 41

This section is divided into four subsections: 1. Blank Access; 2. HW/Steam Heat; 3. Electric Heat; and 4. Natural Gas Heat.

Code 04 determines what type of heat, if any, the unit employs, and Code 34 defines the specific heat section's characteristics. If Code 04= Y, and Code 34= YYYYYY there is no section. If Code 04= Y and Code 34= BBBBBB, then there is a 40" Blank Access Section installed. Refer to the Unit Code Index for heat section coding and definitions.

Code 06 determines the liners and insulation, and will affect the final assembly panels. **For sheet metal components that make up the Blow-Thru Heating Section, contact Daikin Applied with model and serial number information to ensure correct liners, insulation and hardware are ordered.**

Code 07 is the Gas Heat Burner Approval Code and affects many of the parts in the Gas Heat Section depending on whether the unit is UL approved (USA) or ETL approved (Canada).

Code 09 determines the unit voltage, which will have an effect on the Electric Heaters and their controls.

Code 12 determines the control type and will affect the Gas Heat Actuator Motor.

Code 31 is the Supply Fan size, and affects the Heat Section's bulkhead panels and Diffusers.

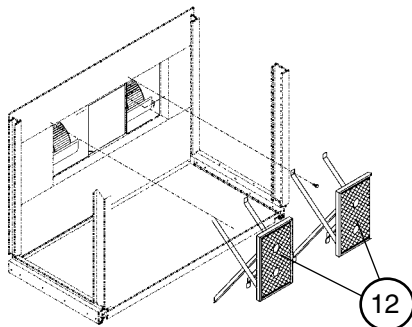
Codes 35- 41 determine if there are additional unit sections. If all of these codes equal "Y", and the Blow-Thru Heat section is the end of the unit, it will affect some of the panels and uprights.

## Option 1: Blank Section

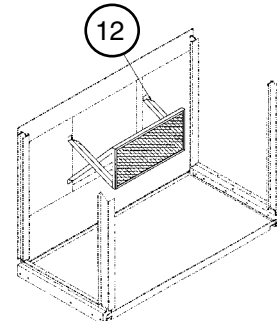
### Code 34= BBBBBB AND Code 04= Y

### Diffusers

Units with 15" x 6", 15" X 15" Supply Fan  
Code 31= 06F\*, 15F\*



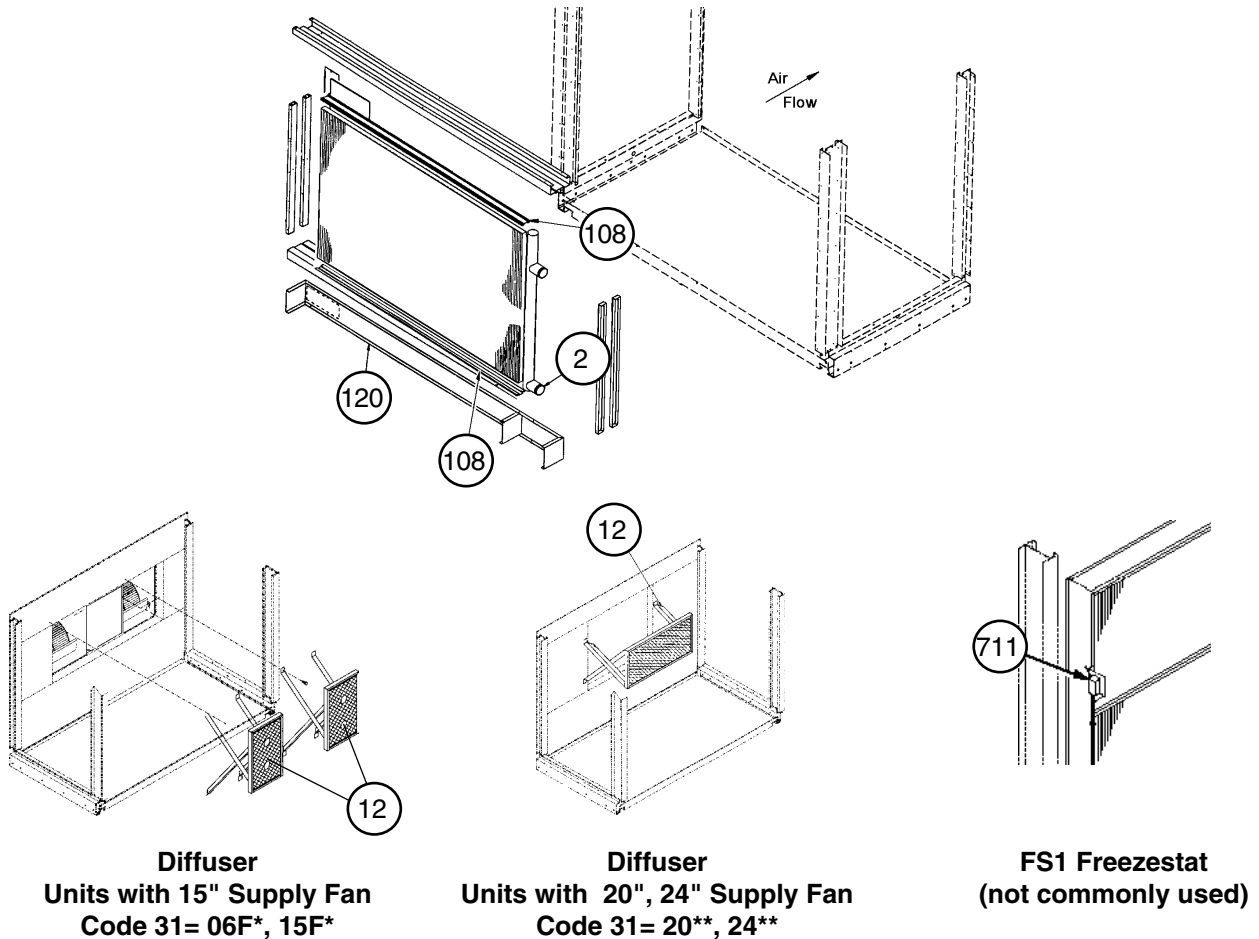
Units with 20", 24" Supply Fan  
Code 31= 20\*\*, 24\*\*



Ref No.	Part Description	Part Number	Qty.
12	Diffuser		
	C31= 06F* OR 15F*	035165700	2
	C31= 20** OR 24**	031744400	1



# Section G- Blow-Thru Heat Section Option 2: Hot Water OR Steam Heating Coil Code 04= W, S AND Code 34= W\*\*\*\*, S\*\*\*\* Coil & Coil Section Components



Ref No.	Part Description	Part Number	Qty.
2	Coil		
	Steam Coil- 6 FPI/1 Row (C34= S11***)	1	1
	Steam Coil- 12 FPI/1 Row (C34= S12***)	1	1
	Hot Water- 9 FPI/1 Row (C34= W11***)	1	1
	Hot Water- 9 FPI/2 Row (C34= W22***)	1	1
12	Diffuser		
	Code 31= 06F* or 15F*	035165700	2
	Code 31= 20** or 24**	031744400	1
108	Fin Channel (1- Row Coil Only)	066634801	2
120	Bottom Baffle (C36= 5Z**** only)		
	1 Row Coil (Code 34= W11***, S11***)	058458601	1
	2 Row Coil (Code 34= W22***)	058466501	1
711	Freezestat- FS1 <sup>2</sup>	072502001	1

<sup>1</sup> HW & Steam Coils are serial number specific. Please contact Daikin Applied with complete model and serial number information so that the correct coil can be identified.

<sup>2</sup> Note that the original Freezestat used 4/01 & Earlier is obsolete and no longer available.

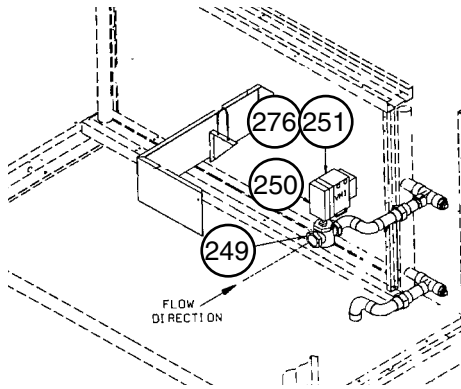
# Section G- Blow-Thru Heat Section

## Option 2: Hot Water OR Steam Heating Coil

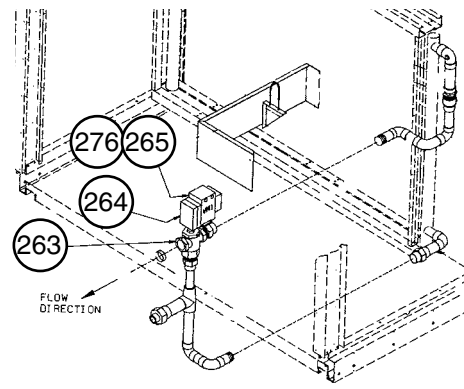
### Code 04= W, S AND Code 34= W\*\*\*E, S\*\*\*E

### Valve & Valve Components

**Steam Coil Units**  
Code 30= S11\*2E OR S12\*2E  
(01/2008 & Earlier) <sup>1</sup>



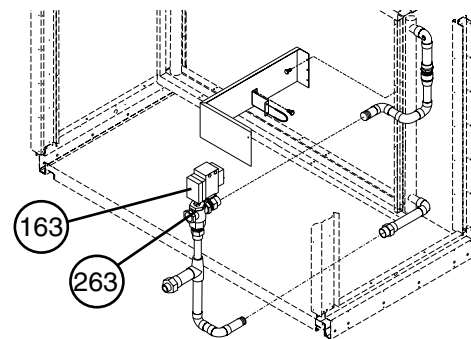
**Hot Water Coil Units**  
Code 30= W11\*3E OR W22\*3E  
(01/2009 & Earlier)



Ref No.	Part Description	Part Number	Qty.
249	Valve		
	1" (C34= S**D2E)	028047802	1
	1.25" (C34= S**E2E)	028047803	1
	1.5" (C34= S**F2E)	028047804	1
	2" (C34= S**G2E)	028047805	1
250	Linkage	073365601	1
251	Transformer/Motor		
	Assembly	063483401	1
	Transf. Only	067112601	1
	Motor Only (VM1)	066534809	1
276	Adapter	066534806	1

<sup>1</sup> For steam equipped units built 02/2008 & Later contact Daikin Applied.

**Hot Water Coil Units**  
Code 30= W11\*3E OR W22\*3E  
(02/2009 & Later)



Ref No.	Part Description	Part Number	Qty.
	<b>01/2009 &amp; Earlier</b>		
263	Valve		
	1" (C34= W**D3E)	028505202	1
	1.25" (C34= W**E3E)	028505203	1
	1.5" (C34= W**F3E)	028505204	1
	2" (C34= W**G3E)	028505205	1
264	Linkage	073365601	1
265	Motor (VM1)	066534807	1
276	Adapter	066534806	1
	<b>02/2009 &amp; Later</b>		
163	Actuator only (VM1)	300046566 <sup>2</sup>	1
263	Valve Assy.		
	1" (C34= W**D3E)	113166702	1
	1.25" (C34= W**E3E)	113166703	1
	1.5" (C34= W**F3E)	113166704	1
	2" (C34= W**G3E)	113166705	1

<sup>2</sup> Note that the HW Valve is factory supplied WITH the Actuator. Use this p/n when replacing the HW Actuator ONLY.

# Section G- Blow-Thru Heat Section

## Option 3: Electric Heat

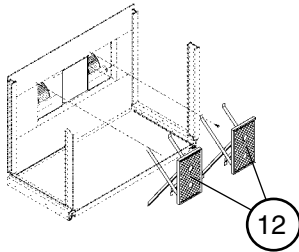
Code 04= E

Diffusers, Heaters, & High Limit HL4, HL14 & HL 31- 50

### Diffusers:

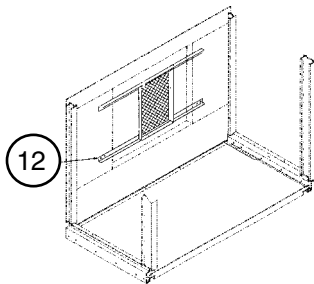
Units with 15" Supply Fan

Code 31= 06F\* OR 15F\*

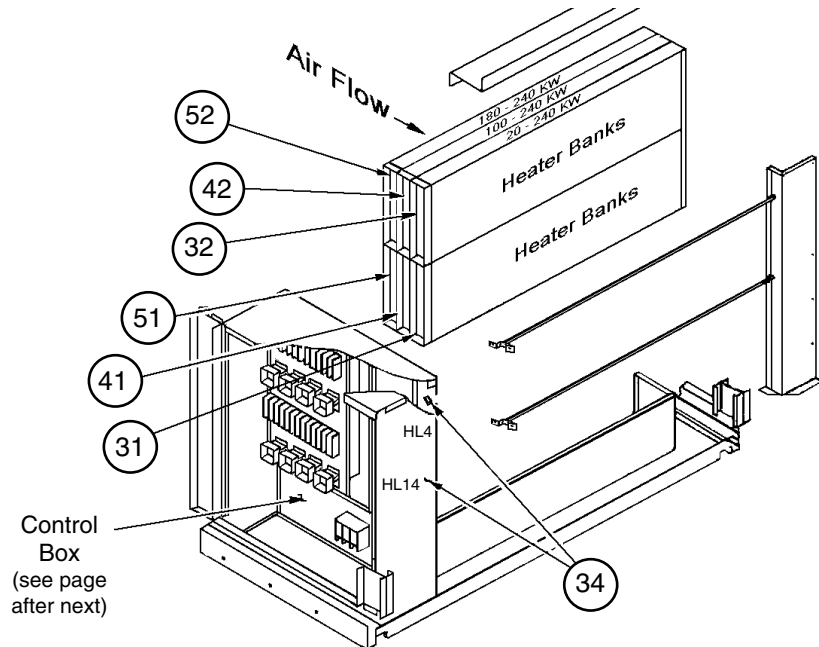


Units with 20" OR 24" Supply Fan

Code 31= 20\*\* , 24\*\*



### Heaters, Hi-Limit Switches



Ref No.	Part Description	Part Number	Qty.
12	Diffuser		
	Code 31= 06F* OR 15F*	035165700	2
	Code 31= 20** OR 24**	032438600	1
34	Hi Limit- HL4, HL14	028398200	2
31- 52	Heaters- See charts on following page		
N/S	Hi Limit Switches: HL31 - 50 (part of Heater Assy.)	028396300	var.

# Section G- Blow-Thru Heat Section

## Option 3: Electric Heat

Code 04= E

### Diffusers, Heaters, & High Limit HL4, HL14 & HL 31- 50, Continued

This chart defines the letters used in the charts below. The complete assemblies include the heater elements, all hardware and the control hi-limit switch (HL31- 50). The Heater Assembly contains the elements less the HiLimit Control and its associated hardware.

Ref. Letter	A	B	C	D	E	F
Complete Assy	028513401	028513402	028513403	028513404	028513501	028513502
Heater Assy	029588701	029588702	029588501	029588502	029588701	029588702
Element Only	024670430 (6)	024670433 (6)	024670430 (6)	024670433 (12)	024670430 (6)	024670433 (6)
Ref. Letter	G	H	I	J	K	L
Complete Assy	028513503	028513504	035705801	035705802	035705803	035705804
Heater Assy	029588501	029588502	035705901	035705902	035705701	035705702
Element Only	024670430 (6)	024670433 (6)	024670438 (6)	024670437 (12)	024670438 (6)	024670437 (6)

#### Heater Cross Reference: 208/230/60/3 Units (Code 09= 12, 29)

This chart represents a where-used for each KW. Ref. letter U = blank filler piece, part #031141400 (Qty. = 1)

Heater KW- Code 34=													
Ref. No.	Qty.	E020** 20kw	E040** 40kw	E060** 60kw	E080** 80kw	E100** 100kw	E120** 120kw	E140** 140kw	E160** 160kw	E180** 180kw	E200** 200kw	E220** 220kw	E240** 240kw
31	1	A	B	C	D	D	D	D	D	N/A	N/A	N/A	N/A
32	1	A	B	C	D	D	D	D	D	N/A	N/A	N/A	N/A
41	1	U	U	U	U	A	B	C	D	N/A	N/A	N/A	N/A
42	1	N/A	N/A	N/A	N/A	A	B	C	D	N/A	N/A	N/A	N/A
51	1	U	U	U	U	U	U	U	U	N/A	N/A	N/A	N/A
52		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

#### Heater Cross Reference: 380/50/3 & 460/60/3 Units (Code 09= 27, 28)

This chart represents a where-used for each KW. Ref. letter U = blank filler piece, part #031141400 (Qty. = 1)

Heater KW- Code 34=													
Ref. No.	Qty.	E020** 20kw	E040** 40kw	E060** 60kw	E080** 80kw	E100** 100kw	E120** 120kw	E140** 140kw	E160** 160kw	E180** 180kw	E200** 200kw	E220** 220kw	E240** 240kw
31	1	E	F	G	H	G	G	H	H	G	H	H	H
32	1	E	F	G	H	G	G	H	H	G	H	H	H
41	1	U	U	U	U	F	G	G	H	G	G	H	H
42	1	N/A	N/A	N/A	N/A	F	G	G	H	G	G	H	H
51	1	U	U	U	U	U	U	U	U	G	G	G	H
52		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	G	G	G	H

#### Heater Cross Reference: 575/60/3 Units (Code 09= 37)

This chart represents a where-used for each KW. Ref. letter U = blank filler piece, part #031141400 (Qty. = 1)

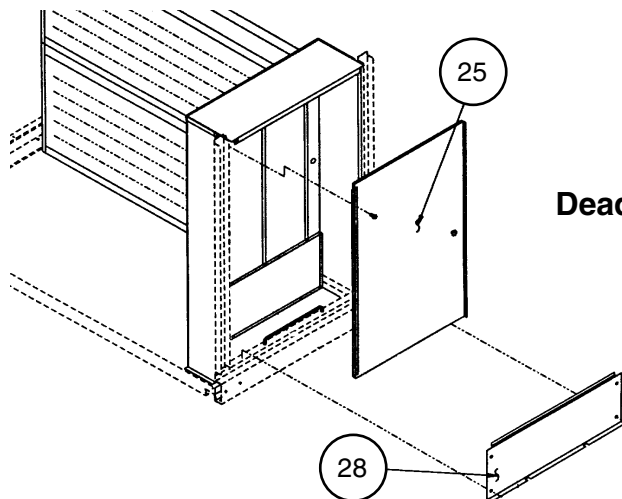
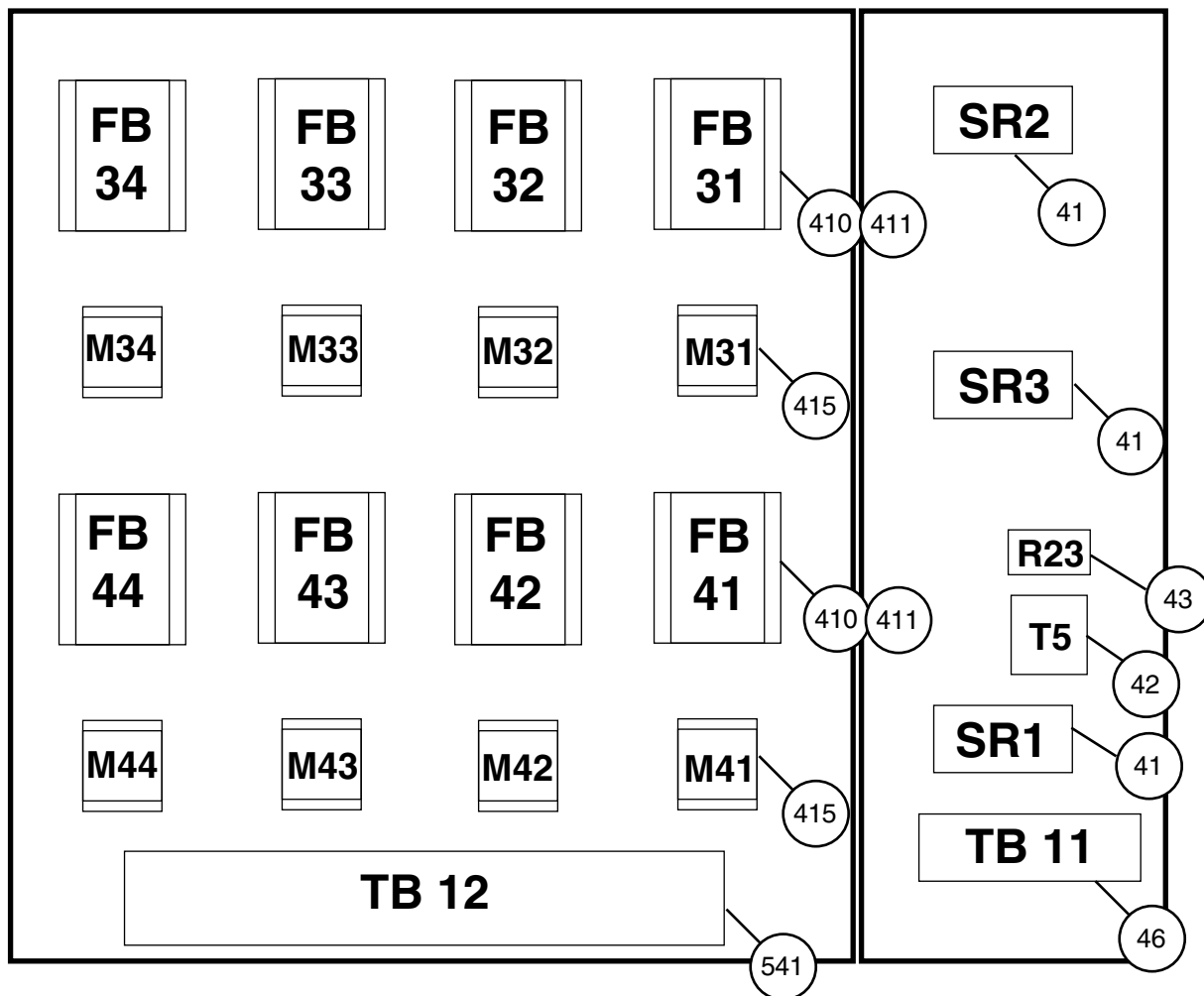
Heater KW- Code 34=													
Ref. No.	Qty.	E020** 20kw	E040** 40kw	E060** 60kw	E080** 80kw	E100** 100kw	E120** 120kw	E140** 140kw	E160** 160kw	E180** 180kw	E200** 200kw	E220** 220kw	E240** 240kw
31	1	I	J	K	L	K	K	L	L	K	L	L	L
32	1	I	J	K	L	K	K	L	L	K	L	L	L
41	1	U	U	U	U	J	K	K	L	K	K	L	L
42	1	N/A	N/A	N/A	N/A	J	K	K	L	K	K	L	L
51	1	U	U	U	U	U	U	U	U	K	K	K	L
52		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	K	K	K	L

# Section G- Blow-Thru Heat Section

Option 3: Electric Heat Code 04= E  
Electric Heat Control Box- Until 3/05 (Code 08= P) <sup>1</sup>  
Diagrams

Power Panel

Control Panel



Dead Door and Power Connection  
Mounting Panel

<sup>1</sup> NOTE: Units built between 10/04 & 3/05 require verification to ensure proper parts ID. If unsure, contact Daikin Applied with unit serial number or GO number to verify.

# Section G- Blow-Thru Heat Section

## Option 3: Electric Heat Code 04= E

### Electric Heat Control Box- Until 3/05 <sup>1</sup>

### Components

#### Dead Front, Hardware

Ref No.	Part Description	Part Number	Qty.
25	Deadfront	055729907	1
28	Panel- TB12 Mount	058467902	1
N/S	Catch Bracket	034905000	2
N/S	Magnetic Catch	034905200	2
N/S	Door Latch	058468101	2
N/S	Gasket- Door Bottom	030756515	1

<sup>1</sup> NOTE: Units built between 10/04 & 3/05 require verification to ensure proper parts ID. If unsure, contact Daikin Applied with unit serial number or GO number to verify.

#### Panel Components: 208/230V Units (Code 09= 12, 29)

Ref No.	Part Description	Schematic Symbol	Part Number	KW= 20/40	KW= 60/80	KW= 100/120	KW= 140/160
41	Electric Sequencer	SR1, SR2, SR3	031002304	N/A	1	3	3
42	Transformer	T5	030886400	N/A	1	N/A	N/A
43	Relay	R 23	032508101	N/A	1	N/A	N/A
46	Terminal Block	TB 11	015998109	1	1	1	1
410	Fuse Block- 3P	FB 31- 44	023780209	2	4	6	8
411	Fuse- 60A 250V	F 31- 44	025860514	6	12	18	24
415	Contactor	M 31- 41	027514103	2	4	6	8
541	Power Block	TB 12	030372717 030372720	N/A	N/A	1 (100 KW) 1 (120 KW)	1

#### Panel Components: 380/460/575V Units (Code 09= 27, 28, 37)

Ref No.	Part Description	Schematic Symbol	Part Number	KW= 20/40	KW= 60/80	KW= 100- 160	KW= 180- 240
41	Electric Sequencer	SR1, SR2, SR3	031002304	N/A	N/A	1	3
42	Transformer	T5	030886400	N/A	N/A	1	N/A
43	Relay	R 23	032508101	N/A	N/A	1	N/A
46	Terminal Block	TB 11	015998109	1	1	1	1
410	Fuse Block- 3P	FB 31- 44	023780210	2	2	4	6
411	Fuse- 60A 600V	F 31- 44	025860414	6	6	12	18
415	Contactor	M 31- 41	027514103	2	2	4	6
541	Power Block	TB 12		see	charts	below	

#### TB12- Power Block Reference- 380V and 575V Units (Code 09= 28, 37)

Ref	Part Number	KW= 20/40	KW= 60	KW= 80	KW= 100	KW= 120	KW= 140	KW= 160	KW= 180	KW= 200	KW= 220	KW= 240
541	030372705	N/A	N/A	1	1	1	1	1				
	030372717							1	1	1		
	030372720											1

#### TB12- Power Block Reference- 460V Units (Code 09= 27)

Ref No.	Part Number	KW= 20/40	KW= 60	KW= 80	KW= 100	KW= 120	KW= 140	KW= 160	KW= 180	KW= 200	KW= 220	KW= 240
541	030372705	N/A	N/A	1	1	1						
	030372716						1	1				
	030372717								1	1	1	
	030372720											1

# Section G- Blow-Thru Heat Section

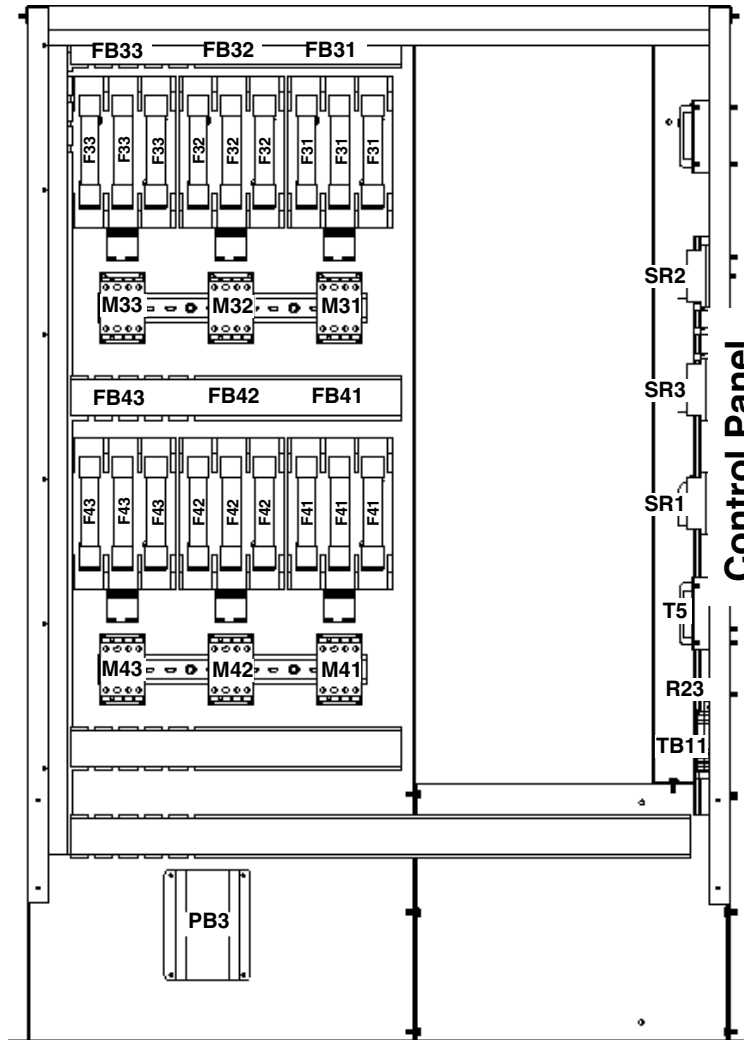
Option 3: Electric Heat Code 04= E

Electric Heat Control Box- 3/05 & Later <sup>1</sup>

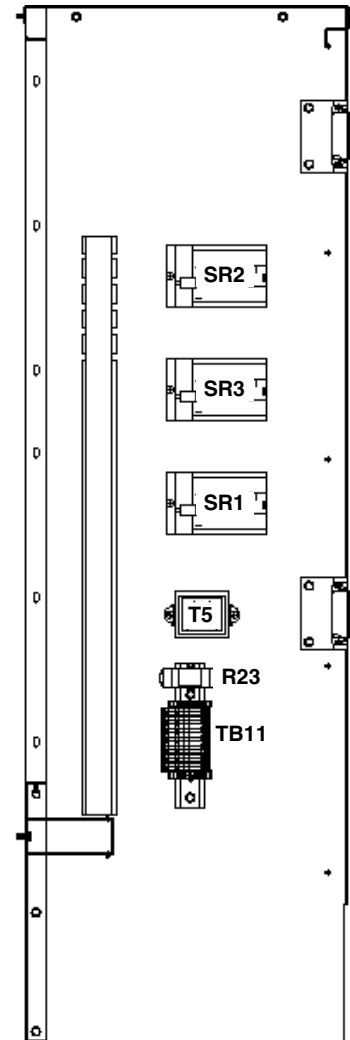
MicroTech II Units (Code 12= \*D, \*S) OR No Controls (Code 12= YM)

## Diagrams & Components

<sup>1</sup> If the unit was built between 10/04 and 3/05 contact Daikin Applied to confirm installed components.



**Power Panel Detail**



**Control Panel Detail**

Sch. Sym.	Part Description	Part Number	Heater KW=																															
			20/40				60				80				100				120				140		160		180		200		220		240	
			208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V	208V	460V	575V	208V	460V	575V	208V	460V	575V	208V	460V	575V
T5	Transformer	349937201	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
SR1	Ctl- Sequencer	031002304	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
SR2	Ctl- Sequencer	031002304	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
SR3	Ctl- Sequencer	031002304	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

# Section G- Blow-Thru Heat Section

Option 3: Electric Heat Code 04= E

Electric Heat Control Box- 3/05 & Later <sup>1</sup>

MicroTech II Units (Code 12= \*D, \*S) OR No Controls (Code 12= YM)

Components, Continued

<sup>1</sup> If the unit was built between 10/04 and 3/05 contact Daikin Applied to confirm installed components.

Relays, Power Block, Terminal Block, Contactors Until 10/06 <sup>1</sup>

Sch. Sym.	Part Description	Part Number	Heater KW=															
			20/40				60				80				100			
			208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V
PB3	Power Block	030372730	1	1	1	1			1	1			1	1			1	1
		030372744					1	1			1	1			1	1		
		030372752													1	1		
	Cover- PB3	349938302	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TB11	Terminal Block	349930603	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
R23	Relay- DPDT	349934704	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Socket- R23	349934801	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
M31	Contactor	349932201			1	1												
	Contactor	349932301	1	1			1	1	1	1	1	1	1	1	1	1	1	1
M32	Contactor	349932301					1	1			1	1			1	1	1	1
	Contactor	349932201												1	1			
M33	Contactor	349932301											1	1				
M41	Contactor	349932201			1	1												
	Contactor	349932301	1	1			1	1	1	1	1	1	1	1	1	1	1	1
M42	Contactor	349932301					1	1			1	1			1	1	1	1
	Contactor	349932201												1	1			
M43	Contactor	349932301													1	1	1	1

<sup>2</sup> Part number is for one section. The number of sections used is determined by the options installed.

Relays, Power Block, Terminal Block, Contactors 1/07 to 3/13 <sup>1</sup>

Sch. Sym.	Part Description	Part Number	Heater KW=															
			20/40				60				80				100			
			208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V
PB3	Power Block	030372777	1	1	1	1			1	1			1	1			1	1
		030372785					1	1			1	1			1	1		
TB11	Terminal Block	349930641	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
R23	Relay- DPDT	349934724	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Socket- R23	349934822	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
M31	Contactor	349932321			1	1												
	Contactor	349932322	1	1			1	1	1	1	1	1	1	1	1	1	1	1
M32	Contactor	349932322					1	1			1	1			1	1	1	1
	Contactor	349932321												1	1			
M33	Contactor	349932322													1	1	1	1
M41	Contactor	349932321			1	1	1	1										
	Contactor	349932322	1	1				1	1	1	1	1	1	1	1	1	1	1
M42	Contactor	349932322					1	1			1	1			1	1	1	1
	Contactor	349932321												1	1			
M43	Contactor	349932322													1	1	1	1

<sup>3</sup> Part number is for one section. The number of sections used is determined by the options installed.



## Section G- Blow-Thru Heat Section

**Option 3: Electric Heat Code 04= E- Electric Heat Control Box- 3/05 & Later <sup>1</sup>**  
**MicroTech II Units (Code 12= \*D, \*S) OR No Controls (Code 12= YM)**  
**Components, Continued**

<sup>1</sup> If the unit was built between 10/04 and 3/05 contact Daikin Applied to confirm installed components.

Sch. Sym.	Part Description	Part Number	Heater KW=																																	
			20/40			60			80			100			120			140		160		180		200		220		240								
			208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V						
F31	Fuse	025860408			3																															
		025860409			3																															
		025860411							3																											
		025860412									3									3																
		025860413										3					3				3									3		3		3		
		025860414											3					3				3						3		3		3				
		025860511													3					3			3				3	3	3		3		3			
		025860512																																		
		025860514	3	3				3	3			3	3			3	3			3	3															
F32	Fuse	025860408														3																				
		025860409													3																					
		025860412																			3															
		025860413																		3			3							3		3		3		
		025860414																			3		3				3	3	3		3		3			
		025860511						3																												
		025860512							3																											
		025860514									3	3			3	3			3	3																
F33	Fuse	025860413																													3		3		3	
		025860414																														3		3		
		025860514												3	3			3	3																	
F41	Fuse	025860408				3																														
		025860409				3																														
		025860411											3																							
		025860412																																		
		025860413																																		
		025860414																																		
		025860511																																		
		025860512																																		
		025860514	3	3																																
F42	Fuse	025860408																																		
		025860409																																		
		025860412																																		
		025860413																																		
		025860414																																		
		025860511																																		
		025860512																																		
		025860514																																		
F43	Fuse	025860413																																		
		025860414																																		
		025860514																																		

# Section G- Blow-Thru Heat Section

Option 3: Electric Heat Code 04= E

Electric Heat Control Box- 3/05 & Later <sup>1</sup>

MicroTech II Units (Code 12= \*D, \*S) OR No Controls (Code 12= YM)

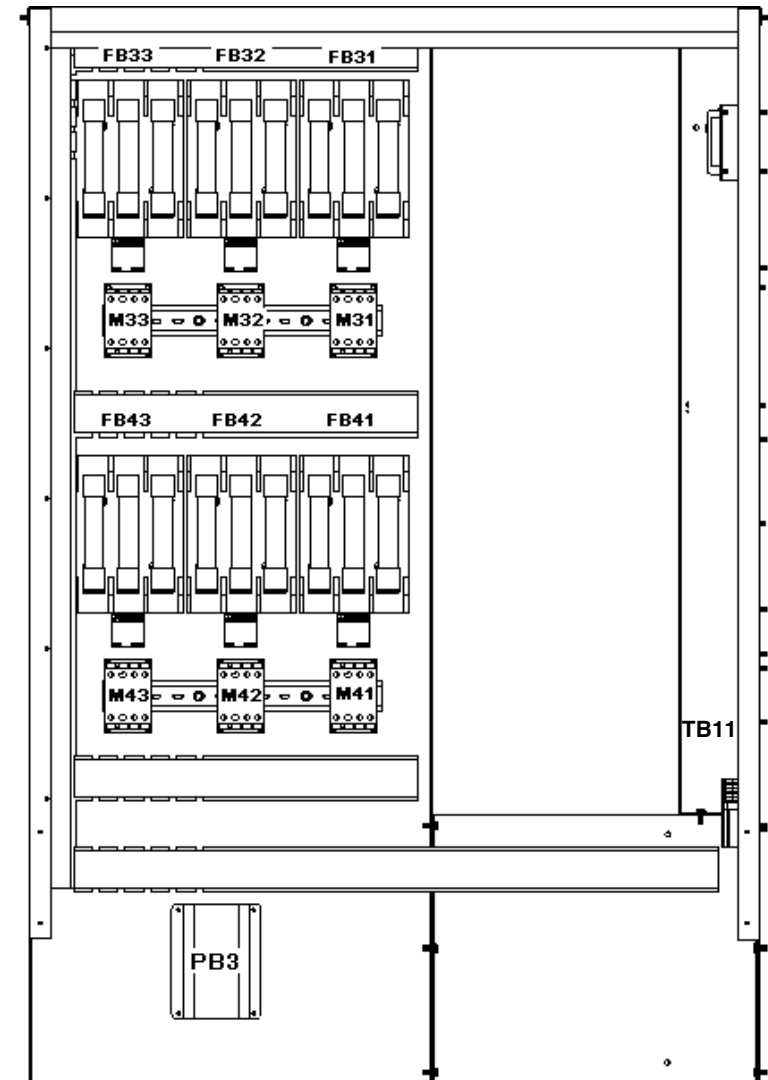
Components, Continued

<sup>1</sup> If the unit was built between 10/04 and 3/05 contact Daikin Applied to confirm installed components.

Sch. Sym.	Part Description	Part Number	Heater KW=																									
			20/40			60			80			100			120			140	160	180	200	220	240					
			208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V	460V	575V	460V	575V	460V	575V
FB31	Fuse Block	023780229	1	1			1	1			1	1			1	1			1	1								
		023780225			1	1																						
		023780230								1	1				1	1				1	1	1	1	1	1	1	1	1
FB32	Fuse Block	023780229					1	1			1	1			1	1			1	1								
		023780225													1	1												
		023780230																		1	1	1	1	1	1	1	1	1
FB33	Fuse Block	023780229												1	1			1	1									
		023780230																							1	1	1	1
FB41	Fuse Block	023780229	1	1			1	1			1	1			1	1			1	1								
		023780225			1	1																						
		023780230								1	1			1	1				1	1	1	1	1	1	1	1	1	1
FB42	Fuse Block	023780229					1	1			1	1			1	1			1	1								
		023780225													1	1												
		023780230																		1	1	1	1	1	1	1	1	1
FB43	Fuse Block	023780229												1	1			1	1									
		023780230																							1	1	1	1

# Section G- Blow-Thru Heat Section

Option 3: Electric Heat Code 04= E  
Electric Heat Control Box- 9/08 & Later  
MicroTech III Units (Code 12= \*E, \*F, \*W)  
Diagram



# Section G- Blow-Thru Heat Section

Option 3: Electric Heat Code 04= E

Electric Heat Control Box- 9/08 & Later

MicroTech III Units (Code 12= \*E, \*F, \*W)

## Components

### Fuses

Sch. Sym.	Part Description	Part Number	Heater KW=																							
			20/40			60			80			100			120			140	160	180	200	220	240			
			208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V	460V	575V	460V	575V
F31	Fuse	025860408			3																					
		025860409			3																					
		025860411						3																		
		025860412						3			3						3									
		025860413								3				3				3						3	3	
		025860414										3			3			3		3		3	3	3	3	
		025860511												3			3		3		3		3	3	3	
		025860512																								
		025860514	3	3			3	3			3	3			3	3										
F32	Fuse	025860408												3												
		025860409											3													
		025860412																	3							
		025860413																3		3			3	3	3	
		025860414															3		3		3	3	3	3	3	
		025860511					3											3		3		3	3	3	3	
		025860512					3																			
		025860514						3	3				3	3			3	3								
F33	Fuse	025860413																					3	3	3	
		025860414																			3	3	3		3	
		025860514											3	3			3	3								
F41	Fuse	025860408				3																				
		025860409			3																					
		025860411								3																
		025860412								3									3							
		025860413									3							3					3	3	3	
		025860414										3					3		3		3	3	3	3	3	
		025860511												3			3		3		3		3	3	3	
		025860512																								
		025860514	3	3			3	3			3	3			3	3										
F42	Fuse	025860408												3												
		025860409												3												
		025860412																	3							
		025860413																	3				3	3	3	
		025860414																3		3		3	3	3	3	
		025860511																3		3		3	3	3	3	
		025860512																								
		025860514									3	3			3	3										
F43	Fuse	025860413																					3	3	3	
		025860414																				3	3	3		
		025860514											3	3		3	3									

**Section G- Blow-Thru Heat Section**  
**Option 3: Electric Heat Code 04= E**  
**Electric Heat Control Box- 9/08 & Later**  
**MicroTech III Units (Code 12= \*E, \*F, \*W)**  
**Components, Continued**

**Fuse & Terminal Blocks**

Sch. Sym.	Part Description	Part Number	Heater KW=																																											
			20/40				60				80				100				120				140				160				180				200				220				240			
			208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V								
FB31	Fuse Block	023780229	1	1			1	1		1	1			1	1			1	1			1	1																							
		023780225			1	1																																								
		023780230									1	1			1	1			1	1			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1							
FB32	Fuse Block	023780229					1	1		1	1			1	1			1	1			1	1																							
		023780225														1	1																													
		023780230																				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1							
FB33	Fuse Block	023780229												1	1			1	1																											
		023780230																																												
FB41	Fuse Block	023780229	1	1			1	1		1	1			1	1			1	1			1	1																							
		023780225			1	1																																								
		023780230								1	1			1	1			1	1			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1							
FB42	Fuse Block	023780229					1	1		1	1			1	1			1	1			1	1																							
		023780225														1	1																													
		023780230																				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1							
FB43	Fuse Block	023780229												1	1			1	1																											
PB3	Power Block	023780230																																												
		030372777	1	1	1	1			1	1			1	1		1	1		1	1		1	1						1	1	1	1	1	1	1	1	1	1	1	1						
		030372785					1	1		1	1			1	1		1	1		1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1							
TB11	Terminal Block	349930641	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1							

<sup>1</sup> Part number is for one section. The number of sections used is determined by the options installed.

# Section G- Blow-Thru Heat Section

## Option 3: Electric Heat Code 04= E

### Electric Heat Control Box- 9/08 & Later

### MicroTech III Units (Code 12= \*E, \*F, \*W)

### Components, Continued

<sup>2</sup> If the unit was built between 4/13- 5/13 contact Daikin Applied to confirm installed components.

#### Contactors- 9/08 thru 3/13 <sup>1</sup>

Sch. Sym.	Part Description	Part Number	Heater KW=															
			20/40				60				80				100			
			208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V
M31	Contactor	349932321			1	1												
	Contactor	349932322	1	1			1	1	1	1	1	1	1	1	1	1	1	1
M32	Contactor	349932322					1	1			1	1			1	1	1	1
	Contactor	349932321												1	1			
M33	Contactor	349932322												1	1			
M41	Contactor	349932321			1	1	1	1										
	Contactor	349932322	1	1				1	1	1	1	1	1	1	1	1	1	1
M42	Contactor	349932322					1	1			1	1			1	1	1	1
	Contactor	349932321												1	1			
M43	Contactor	349932322											1	1		1	1	1

#### Contactors- 6/13 & Later <sup>1</sup>

Sch. Sym.	Part Description	Part Number	Heater KW=															
			20/40				60				80				100			
			208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V
M31	Contactor	193592005			1	1												
	Contactor	193591601	1	1			1	1	1	1	1	1	1	1	1	1	1	1
M32	Contactor	193591601					1	1			1	1			1	1	1	1
	Contactor	193592005												1	1			
M33	Contactor	193591601												1	1			
M41	Contactor	193592005			1	1	1	1										
	Contactor	193591601	1	1				1	1	1	1	1	1	1	1	1	1	1
M42	Contactor	193591601					1	1			1	1			1	1	1	1
	Contactor	193592005												1	1			
M43	Contactor	193591601											1	1		1	1	1

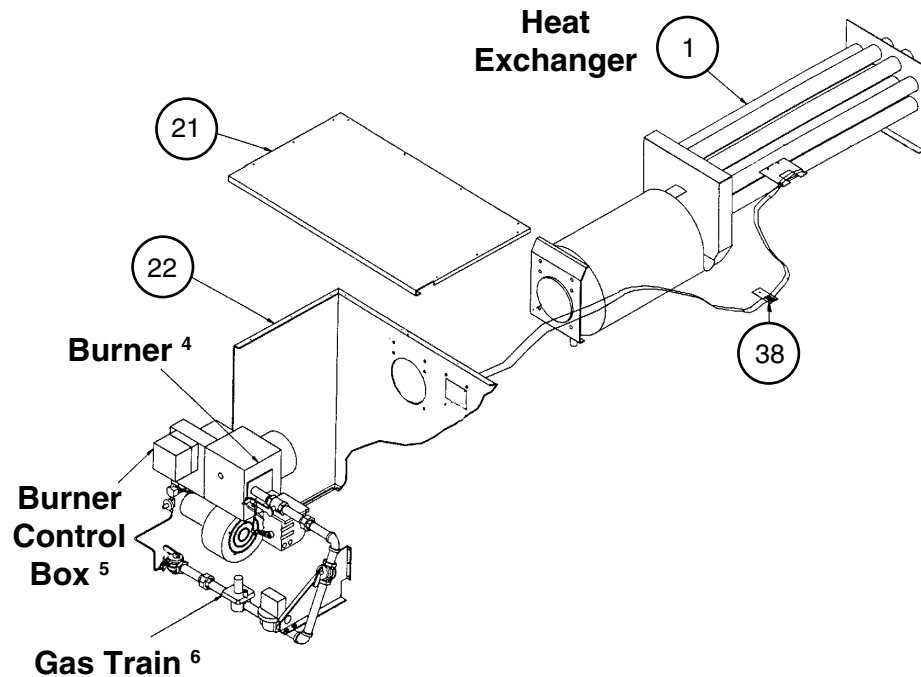
## Section G- Blow-Thru Heat Section

Option 4- Gas Heat Code 04= A

Heat Exchangers & Vestibules

200, 250 MBH Furnaces

Code 34= 020\*\*, 025\*\*



Ref No.	Part Description	200/250 MBH	Qty.
1	Heat Exchanger- Aluminized Secondary Code 34= ***A**	<sup>1</sup>	1
	Heat Exchanger Kit- Stainless Steel Secondary Code 34= ***S**	098322501 <sup>2</sup>	1
21	Vestibule	055636358	1
22	Vestibule	055636353	1
38	Capillary Plate	059360301	1
N/S	Turbulator	058387201 <sup>3</sup>	8

N/S= Not shown on diagram.

<sup>1</sup> Aluminized Secondary Heat Exchangers are no longer available. Use the comparable Stainless Steel Secondary Kit p/n instead.

<sup>2</sup> Kit includes the Heat Exchanger, Flue Front Cover, Flue Back Cover, Inspection Door, and Inspection Door Gasket.

<sup>3</sup> Note that the required Turbulators are NOT included in the Heat Exchanger Kit.

<sup>4</sup> Parts detail follows this section.

<sup>5</sup> Parts detail follows Burner section.

<sup>6</sup> Parts detail follows Burner Control Box section.

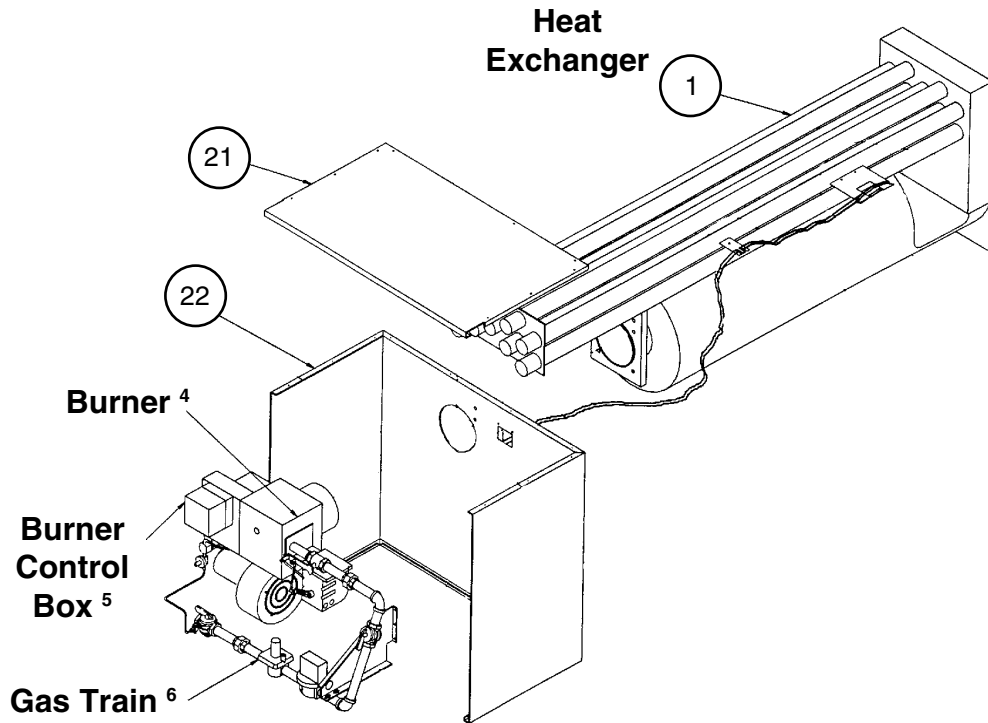
## Section G- Blow-Thru Heat Section

Option 4- Gas Heat Code 04= A

Heat Exchangers & Vestibules

320, 400, 500, 640, 650, 790, 800, 1000 MBH Furnaces

Code 34= 032\*\*, 040\*\*, 050\*\*, 064\*\*, 065\*\*, 079\*\*, 080\*\*, 100\*\*



Ref No.	Part Description	320/400 MBH	500/640 MBH	650/790 MBH	800/1000 MBH	Qty.
1	Heat Exch.- Aluminized Sec. C34= ***A**	1	1	1	1	1
	Heat Exch. Kit- S.S. Sec. C34= ***S**	098322502 <sup>2</sup>	098322503 <sup>2</sup>	098322504 <sup>2</sup>	098322505 <sup>2</sup>	1
21	Vestibule	055636359	055636359	055636359	055636359	1
22	Vestibule	055636354	055636355	055636356	055636357	1
N/S	Turbulator	058387201	058387201	058387201	058387201	<sup>3</sup>

N/S= Not shown on diagram.

<sup>1</sup> Aluminized Secondary Heat Exchangers are no longer available. Use the comparable Stainless Steel Secondary Kit p/n instead.

<sup>2</sup> Kit includes the Heat Exchanger, Flue Front Cover, Flue Back Cover, Inspection Door, and Inspection Door Gasket.

<sup>3</sup> Quantity varies depending upon the size of the Heat Exchanger. For 320/400 MBH order 6 pc.; for 500/640 MBH order 9 pc.; for 650/790 MBH order 12 pc.; for 800/1000 MBH order 15 pc. Note that the required Turbulators are NOT included in the Heat Exchanger Kits.

<sup>4</sup> Parts detail follows this section.

<sup>5</sup> Parts detail follows Burner section.

<sup>6</sup> Parts detail follows Burner Control Box section.



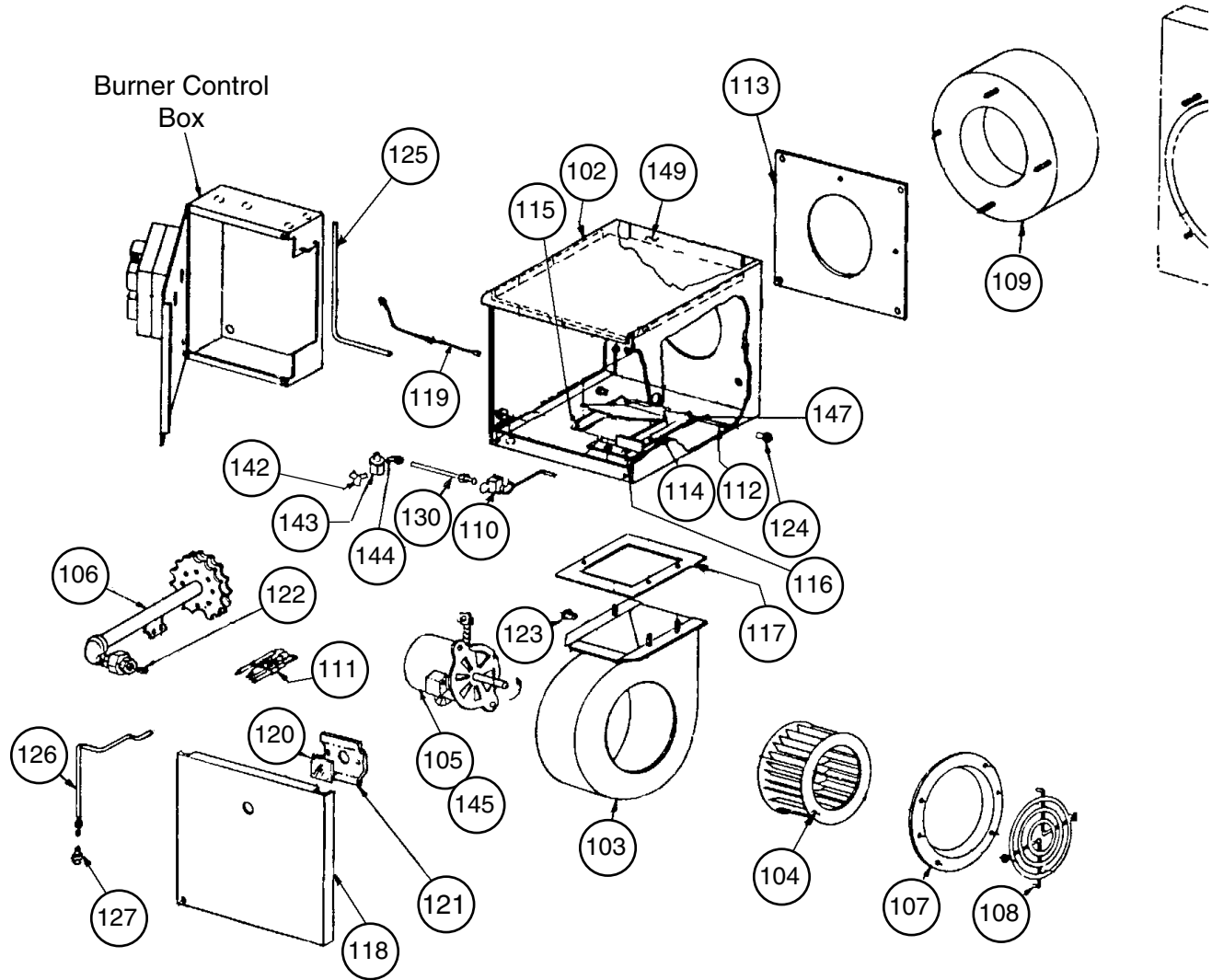
# Section G- Blow-Thru Heat Section

## Option 4- Gas Heat: Code 04= A

### Modulating AND Single Stage Burner:

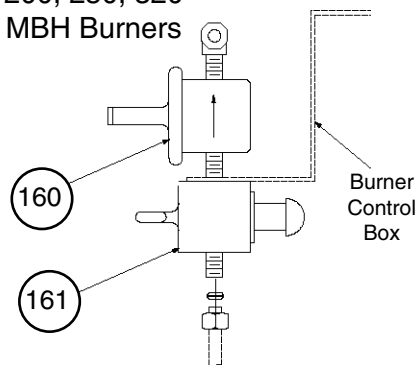
Code 34= \*\*\*\*A\*, \*\*\*\*P\*, \*\*\*\*Q\*, \*\*\*\*E\*, \*\*\*\*R\*, \*\*\*\*S\*

### Diagrams

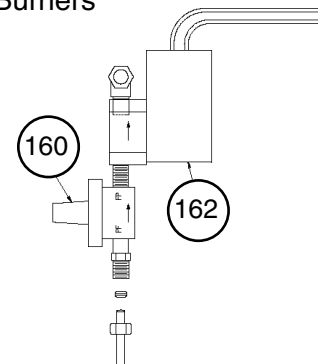


**Pilot Valve/ Pressure  
Regulator Assy Detail**

200, 250, 320  
MBH Burners



400- 1000 MBH  
Burners



**Section G- Blow-Thru Heat Section**  
**Option 4- Gas Heat: Code 04= A**  
**Modulating AND Single Stage Burner:**  
**Code 34= \*\*\*\*A\*, \*\*\*\*P\*, \*\*\*\*Q\*, \*\*\*\*E\*, \*\*\*\*R\*, \*\*\*\*S\***  
**Components**

Ref No.	Part Description	Burner Approval Code		Qty.
		C07= EU UL/ETL	C07= CC, CD CSA	
102	Burner Housing	059362302	059362302	1
103	Scroll	035740701	035740701	1
104	Wheel- .5" bore	034861102	034861102	1
105	Motor- .25 HP, 115/60/1	034249200	034249200	1
106	Gun Assembly			
	200 MBH Furnace	034879901	034879901	1
	250 MBH Furnace	034879902	034879902	1
	320 MBH Furnace	034879903	034879903	1
	400 MBH Furnace	034879904	034879904	1
	500 MBH Furnace	034880001	034880001	1
	640 MBH Furnace	034880002	034880002	1
	650 MBH Furnace	034880002	034880002	1
	790 MBH Furnace	034880003	034880003	1
	800 MBH Furnace	034880003	034880003	1
	1000 MBH Furnace	034880004	034880004	1
107	Inlet Funnel	034743101	034743101	1
108	Fan Guard	034742800	034742800	1
109	Blast Tube			
	200- 400 MBH Furnace	037378802	037378802	1
	500- 650 MBH Furnace	034101703	034101703	1
	790- 1000 MBH Furnace	034101707	034101707	1
110	Pilot Mixer	036516401	036516401	1
111	Pilot Assembly	035019600	035019600	1
	Flame Rod			
	Code 34 [5th digit]= E, R, S	300032902	300032902	1
112	Damper Assembly	035721501	048791401	1
113	Blast Tube Gasket	034102000	034102000	1
114	Right Side Damper			
	200- 500 MBH Furnace	058594301	058594301	1
	640 MBH Furnace	058595201	058595201	1
	650- 1000 MBH Furnace	058594501	058594501	1
115	Left Side Damper			
	200- 640 MBH Furnace	058595001	058595001	1
	650- 1000 MBH Furnace	058594401	058594401	1

**Section G- Blow-Thru Heat Section**  
**Option 4- Gas Heat: Code 04= A**  
**Modulating AND Single Stage Burner:**  
**Code 34= \*\*\*\*A\*, \*\*\*\*P\*, \*\*\*\*Q\*, \*\*\*\*E\*, \*\*\*\*R\*, \*\*\*\*S\***  
**Components, Continued**

Ref No.	Part Description	Burner Approval Code		Qty.
		C07= EU ETL	C07= CC, CD CSA	
116	Slide Damper			
	200 MBH Furnace	058594801	058594811	1
	250 MBH Furnace	058594802	058594812	1
	320 MBH Furnace	058594803	058594813	1
	400 MBH Furnace	058594804	058594814	1
	500 MBH Furnace	058594805	058594815	1
	640 MBH Furnace	058594806	058594816	1
	650 MBH Furnace	058594807	058594817	1
	790 MBH Furnace	058594808	058594818	1
	800 MBH Furnace	058594809	058594819	1
	1000 MBH Furnace	058594810	058594820	1
117	Blower Gasket	035019500	035019500	1
118	Burner Cover	033972100	033972100	1
119	Ignition Assembly	034742900	034742900	1
120	Glass Cover	036557000	036557000	1
121	Glass Cover Support	036009600	036009600	1
122	Orifice			
	200 MBH Furnace	058599301	058599301	1
	250 MBH Furnace	058599302	058599302	1
	320 MBH Furnace	058599303	058599303	1
	400 MBH Furnace	059861501	059861501	1
	500 MBH Furnace	058599101	058599101	1
	640 MBH Furnace	058599102	058599102	1
	650 MBH Furnace	058599103	058599103	1
	790 MBH Furnace	058599104	058599104	1
	800 MBH Furnace	058599104	058599104	1
	1000 MBH Furnace	058599201	058599201	1
123	Clip	034919400	034919400	1
124	Flange Bearing	034252000	034252000	2
125	Air Switch Tube	034102801	034102801	1
126	Pilot Burner Tube			
	200- 400 MBH Furnace	036236000	036236000	1
	500- 1000 MBH Furnace	036236100	036236100	1
127	Compression Fitting	034097500	034097500	1
130	Pilot Tube	034102601	034102601	1
142	Manual Cock Valve	Not Used	034077300	1
143	Pressure Regulator Valve	Not Used	034077600	1
144	90° Compression Elbow	Not Used	034097200	1
145	Motor Conduit Box	036558800	036558800	1
147	Torsion Spring	Not Used	037528600	1
149	Burner Box Baffle			
	200- 400 MBH Furnace	058597901	058597901	1
	500- 1000 MBH Furnace	058597902	058597902	1
160	Valve- Pressure Regulator	034077600	034077600	1
161	Valve- Manual: 200- 320 MBH	034077300	034077300	1
162	Valve- Solenoid: 400- 1000 MBH	034488400	034488400	1

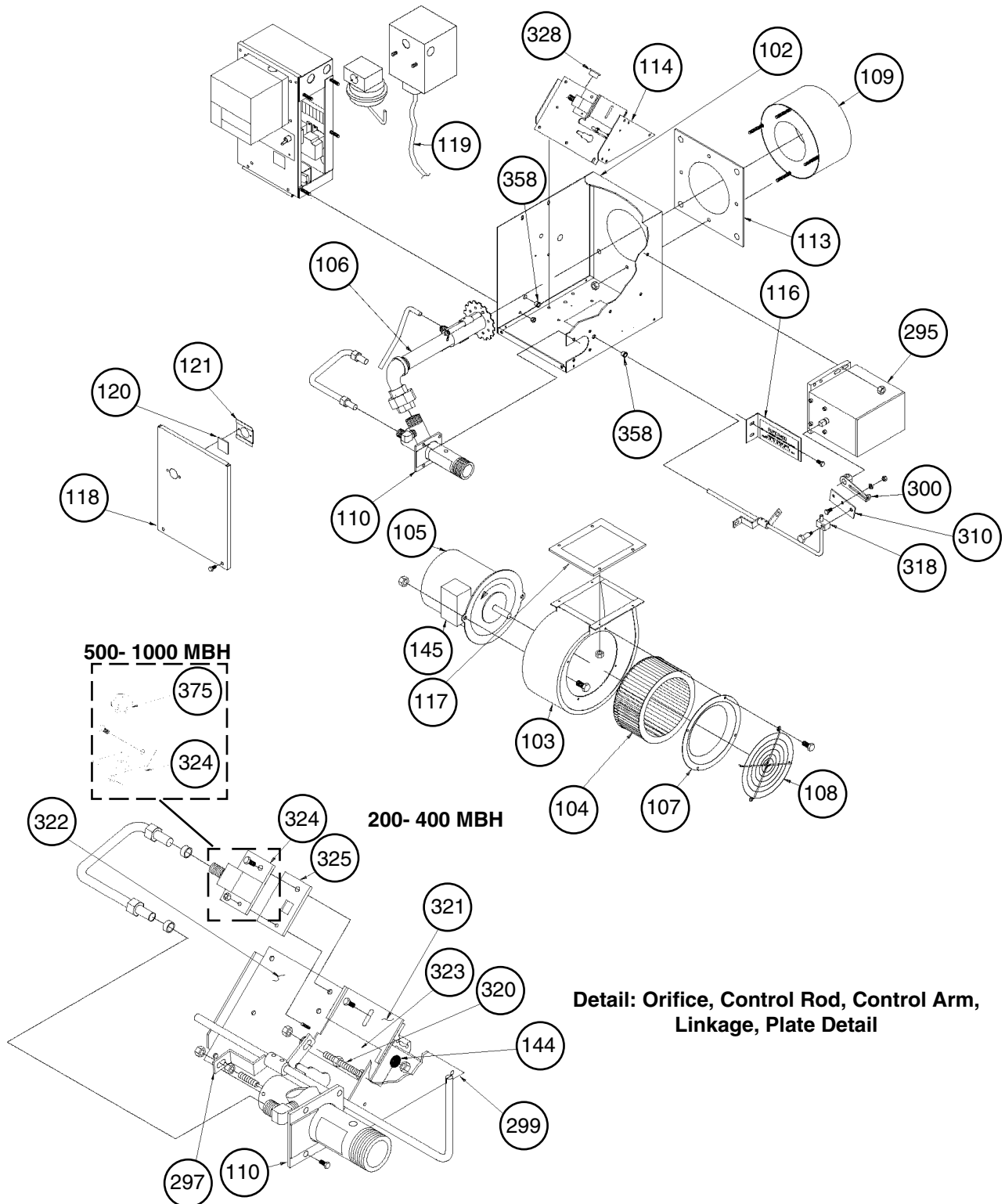
# Section G- Blow-Thru Heat Section

Option 4- Gas Heat: Code 04= A

Hi Turn Down Burner:

Code 34= \*\*\*\*H\*, \*\*\*\*T\*, \*\*\*\*U\*

## Diagrams



## Section G- Blow-Thru Heat Section

Option 4- Gas Heat: Code 04= A

Hi Turn Down Burner:

Code 34= \*\*\*\*H\*, \*\*\*\*T\*, \*\*\*\*U\*

### Components

Ref No.	Part Description	Burner Approval Code		Qty.
		C07= EU UL/ETL	C07= CC, CD CSA	
102	Burner Housing	059862103	059862103	1
103	Scroll			
	200- 800 MBH Furnace	096434806	096434806	1
	1000 MBH Furnace	059862136	059862136	1
104	Wheel- .5" bore			
	200- 800 MBH Furnace	034861102	034861102	1
	1000 MBH Furnace	034249005	034249005	1
105	Motor- .25 HP, 115/60/1			
	200- 800 MBH Furnace	034249200	034249200	1
	1000 MBH Furnace	032248600	032248600	1
106	Gun Assembly			
	200 MBH Furnace	096414801	NA	1
	250 MBH Furnace	096414802	NA	1
	320 MBH Furnace	096414803	NA	1
	400 MBH Furnace	096414804	096414804	1
	500 MBH Furnace	096414805	096414805	1
	640 MBH Furnace	096414806	096414806	1
	650 MBH Furnace	096414806	096414806	1
	790 MBH Furnace	096414808	096414808	1
	800 MBH Furnace	096414808	096414808	1
	1000 MBH Furnace	096414810	096414810	1
107	Inlet Funnel			
	200- 800 MBH Furnace	034743101	034743101	1
	1000 MBH Furnace	034743102	034743102	1
108	Fan Guard	034742800	034742800	1
109	Blast Tube			
	200- 400 MBH Furnace	037378802	037378802	1
	500 MBH Furnace	034101703	034101703	1
	640 MBH Furnace	034101703	034101707	1
	650- 1000 MBH Furnace	034101707	034101707	1

## Section G- Blow-Thru Heat Section

Option 4- Gas Heat: Code 04= A

Hi Turn Down Burner:

Code 34= \*\*\*\*H\*, \*\*\*\*T\*, \*\*\*\*U\*

Components, Continued

Ref No.	Part Description	Burner Approval Code		Qty.
		C07= EU UL/ETL	C07= CC, CD CSA	
110	Orifice Assembly			
	200 MBH Furnace	096414701		1
	250 MBH Furnace	096414702		1
	320 MBH Furnace	096414703		1
	400 MBH Furnace	096414704	096414724	1
	500 MBH Furnace	096414705	096414725	1
	640 MBH Furnace	096414706	096414726	1
	650 MBH Furnace	096414707	096414727	1
	790, 800 MBH Furnace	096414708	096414728	1
	1000 MBH Furnace	096414710	096414730	1
113	Gasket- Blast Tube	034102000	034102000	1
114	Air Box Assy	059862112	059862112	1
116	Plate- Actuator Scale	059645001	059645001	1
117	Gasket- Blower	035019500	035019500	1
118	Panel- Burner Box Cover	059388501	059388501	1
119	Ignition Wire Assy	034742902	034742902	1
	Flame Rod	059867701	059867701	1
120	Glass Cover- Burner	036557000	036557000	1
121	Support- Glass Cover	036009600	036009600	1
144	Grommet- Flat	060017701	060017701	1
145	Box- Conduit	036558800	036558800	1
295	Motor- Actuator			
	Until 3/01	047936110	047936110	1
	3/01 & Later	111047701	111047701	1
297	Control Arm	059862114	059862114	1
299	Control Rod	059861101	059861101	1
300	Crank Arm	059645101	059645101	1
310	Extension- Crank Arm	059862110	059862110	1
318	Bushing- Control Rod	059861301	059861301	1
320	Linkage	096414901	096414901	1
321	Plate- Adjustable			
	200 MBH Furnace	096422001		1
	250 MBH Furnace	096421601		1
	320 MBH Furnace	059389601		1
	400 MBH Furnace	096423001	096423101	1
	500 MBH Furnace	060086401	096422901	1
	640 MBH Furnace	096417701	096417801	1
	650 MBH Furnace	096416301	096416301	1
	790 MBH Furnace	060097101	060097101	1
	800 MBH Furnace	060097101	096422701	1
	1000 MBH Furnace	060092401	060097301	1

## Section G- Blow-Thru Heat Section

Option 4- Gas Heat: Code 04= A

Hi Turn Down Burner:

Code 34= \*\*\*\*H\*, \*\*\*\*T\*, \*\*\*\*U\*

Components, Continued

Ref No.	Part Description	Burner Approval Code		Qty.
		C07= EU UL/ETL	C07= CC, CD CSA	
322	Plate- Profile			
	200, 250 MBH Furnaces	096421501		1
	320 MBH Furnace	059389001		1
	400 MBH Furnace	060097601	060097601	1
	500 MBH Furnace	060086101	060086101	1
	640 MBH Furnace	096417901	096417901	1
	650 MBH Furnace	096415301	096418001	1
	790 MBH Furnace	096416501	096416501	1
	800 MBH Furnace	060096901	060097001	1
	1000 MBH Furnace	060092601	060097201	1
323	Plate- Slide Damper			
	200, 250, 320, 400 MBH Furnaces	059388801	059388801	1
	500 MBH Furnace	060086301	060086301	1
	640, 650 MBH Furnaces	096417601	096417601	1
	790, 800, 1000 MBH Furnaces	060092501	060092501	1
324	Box- Air			
	200- 400 MBH Furnaces	059869101	059869101	1
	500- 1000 MBH Furnaces	060092201	060092201	1
325	Gasket- Air Box	060092301	060092301	1
328	Grommet	000498100	000498100	1
358	Bearing- Sleeve	046761000	046761000	2
375	Grommet- 500- 1000 MBH only	059988700	059988700	1

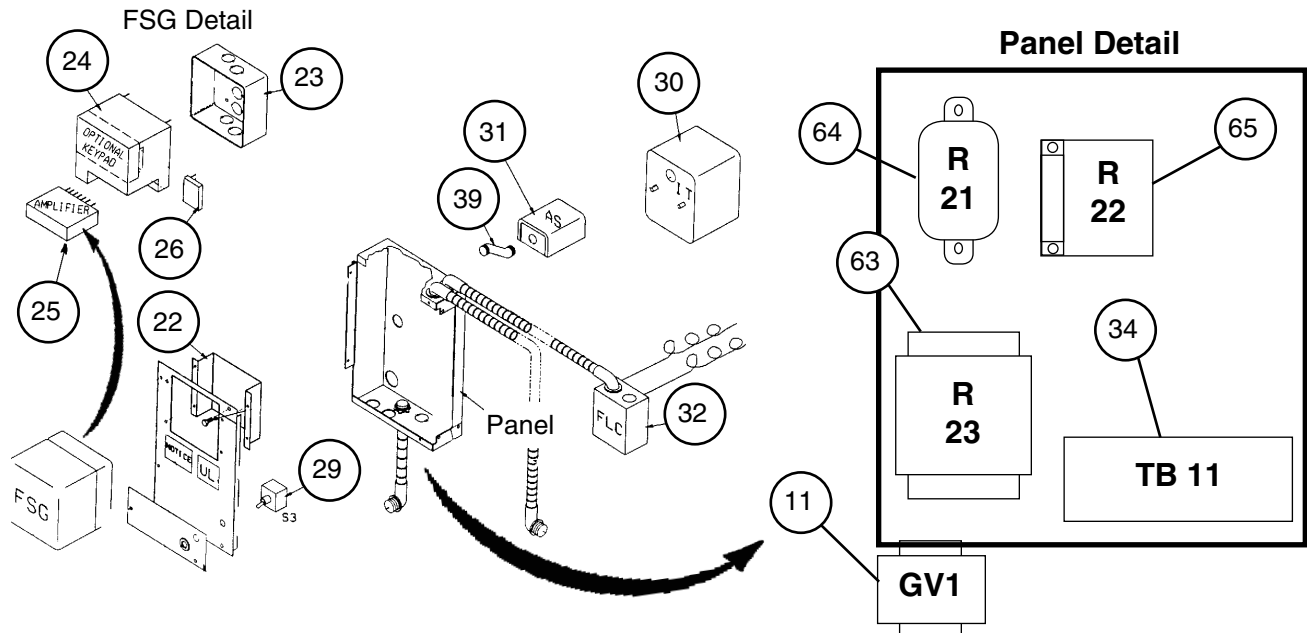
# Section G- Blow-Thru Heat Section

Option 4- Gas Heat: Code 04= A

Single Stage OR Modulating Burner Controls:

Code 34= \*\*\*\*A\*, \*\*\*\*P\*, \*\*\*\*Q\*, \*\*\*\*E\*, \*\*\*\*R\*, \*\*\*\*S\*

MicroTech Controls (Code 12= 1M- 5M) OR No Controls (Code 12= YM, YC)  
Until 1/01



Ref No.	Sch. Sym.	Part Description	Furnace MBH:			Qty.
			200/250	320	400- 1000	
11	GV1	Pressure Reg. Assy	061530300	061530300	039742000	1
		Valve Only	034077600	034077600	034077600	1
		Manual Cock Valve	034077300	034077300	Not Used	1
		Solenoid Valve	Not Used	Not Used	034488400	1
22		Support	046998502	Not Used	Not Used	1
23		Flame Safeguard Subbase	073300702	073300701	073300701	1
24	FSG	Flame Safeguard- FSG	073300803 <sup>1</sup>	073300803 <sup>1</sup>	073300803 <sup>1</sup>	1
25		Amplifier- FSG	073300901	073300901	073300901	1
26		Flame Safeguard T.D. 90 Sec.				
		Modulating Burner/UL Units	073301002	073301002	073301002	1
		Flame Safeguard T.D. 30 Sec.				
		Modulating Burner/CSA	073301001	073301001	073301001	1
		All Single Stage Burners	073301001	073301001	073301001	1
29	S3	Toggle Switch- 4PST: S3	033536700	033536700	033536700	1
30	IT	Ignition Transformer	034482600	034482600	034482600	1
31	AS	Air Switch- Gas Burner	033003800	033003800	033003800	1
32	FLC	Fan Limit Control	073337102	073337102	073337102	1
34	TB11	Terminal Block- 9 Pole	015998109	015998109	015998109	1
39		Fitting	067297701	067297701	067297701	1
63	R23	Pilot Relay- DPDT	044465500	044465500	044465500	1
64	R21	Relay- 100% O.A. (Code 20= A*)	Not Used	Not Used	027400700	1
65	R22	Relay- 100% O.A. (Code 20= A*)	Not Used	Not Used	019643000 <sup>2</sup>	1

<sup>1</sup> The original Flame Safeguard, p/n 073300801, used 3/07 & Earlier, is obsolete and no longer available. For units built 3/07 & Earlier, use p/n 073300803. When replacing 073300801 minor field modifications are required for proper installation and operation.

<sup>2</sup> Used on CSA (Code 07= CC, CD) units only.



## Section G- Blow-Thru Heat Section

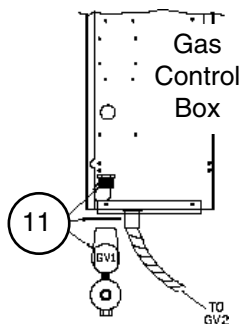
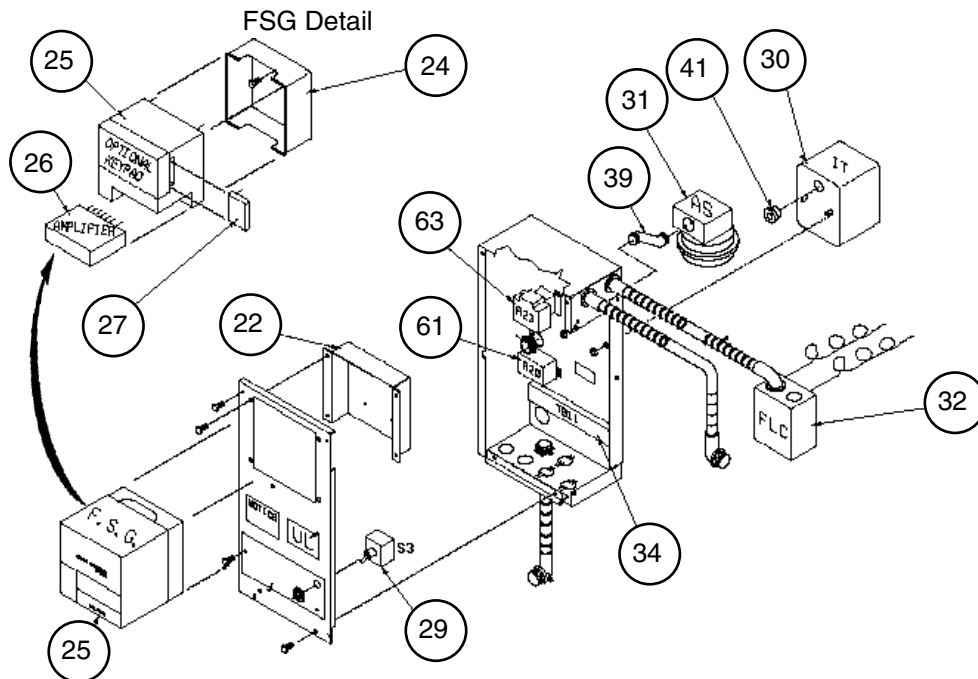
Option 4- Gas Heat: Code 04= A

Single Stage OR Modulating Burner Controls:

Code 34= \*\*\*\*A\*, \*\*\*\*P\*, \*\*\*\*Q\*, \*\*\*\*E\*, \*\*\*\*R\*, \*\*\*\*S\*

MicroTech II OR No Controls (Code 12= \*D, \*S, YM, YC)

Diagram



**Section G- Blow-Thru Heat Section**  
**Option 4- Gas Heat: Code 04= A**  
**Single Stage OR Modulating Burner Controls:**  
**Code 34= \*\*\*\*A\*, \*\*\*\*P\*, \*\*\*\*Q\*, \*\*\*\*E\*, \*\*\*\*R\*, \*\*\*\*S\***  
**MicroTech II OR No Controls (Code 12= \*D, \*S, YM, YC)**  
**Components**

Ref No.	Sch. Sym.	Part Description	Furnace MBH:			Qty.
			200/250	320	400- 1000	
11	GV1	Pressure Reg. Assy	061530300	061530300	039742000	1
		Valve Only	034077600	034077600	034077600	1
		Manual Cock Valve	034077300	034077300	Not Used	1
		Solenoid Valve	Not Used	Not Used	034488400	1
22		Support	059388701	059388701	Not Used	1
24		Flame Safeguard Subbase	073300702	073300702	073300702	1
25	FSG	Flame Safeguard 4/07 & Later <sup>1</sup>	073300803	073300803	073300803	1
26		Amplifier	073300901	073300901	073300901	1
27		Flame Safeguard T.D. 90 Sec.				
		Modulating Burner/UL Units	073301002	073301002	073301002	1
		Flame Safeguard T.D. 30 Sec.				
		Modulating Burner/CSA	073301001	073301001	073301001	1
		All Single Stage Burners	073301001	073301001	073301001	1
29	S3	Toggle Switch- 4PST	033536700	033536700	033536700	1
30	IT	Ignition Transformer	034482600	034482600	034482600	1
31		Air Switch- Gas Burner	033003800	033003800	033003800	1
32	FLC	Fan Limit Control Until 9/08	073337102	073337102	073337102	1
		Fan Limit Control 9/08 & Later	193423703	193423703	193423703	1
34	TB11	Terminal Block- 14 Pole	015998114	015998114	015998114	1
39		Fitting	067297701	067297701	067297701	1
41		Bushing	001242600	001242600	001242600	1
61	R20	Relay Until 1/10	061019403	061019403	061019403	1
N/S	R20A	Relay 1/10 & Later	349934764	349934764	349934764	1
N/S		Relay Socket	349964702	349964702	349964702	1
63	R23	Pilot Relay Until 1/10 <sup>2</sup>	019643000	019643000	019643000	1
N/S	R23A	Pilot Relay 1/10 & Later, ETL only	349934764	349934764	349934764	1
N/S		Mounting Adapter	349964702	349964702	349964702	1
N/S	R23B	Pilot Relay 1/10 & Later	193454702	193454702	193454702	1
N/S		Relay Socket	193454801	193454801	193454801	1

<sup>1</sup> The original Flame Safeguard, p/n 073300801, used 3/07 & Earlier, is obsolete and no longer available. For units built 3/07 & Earlier, use p/n 073300803. When replacing 073300801 minor field modifications are required for proper installation and operation.

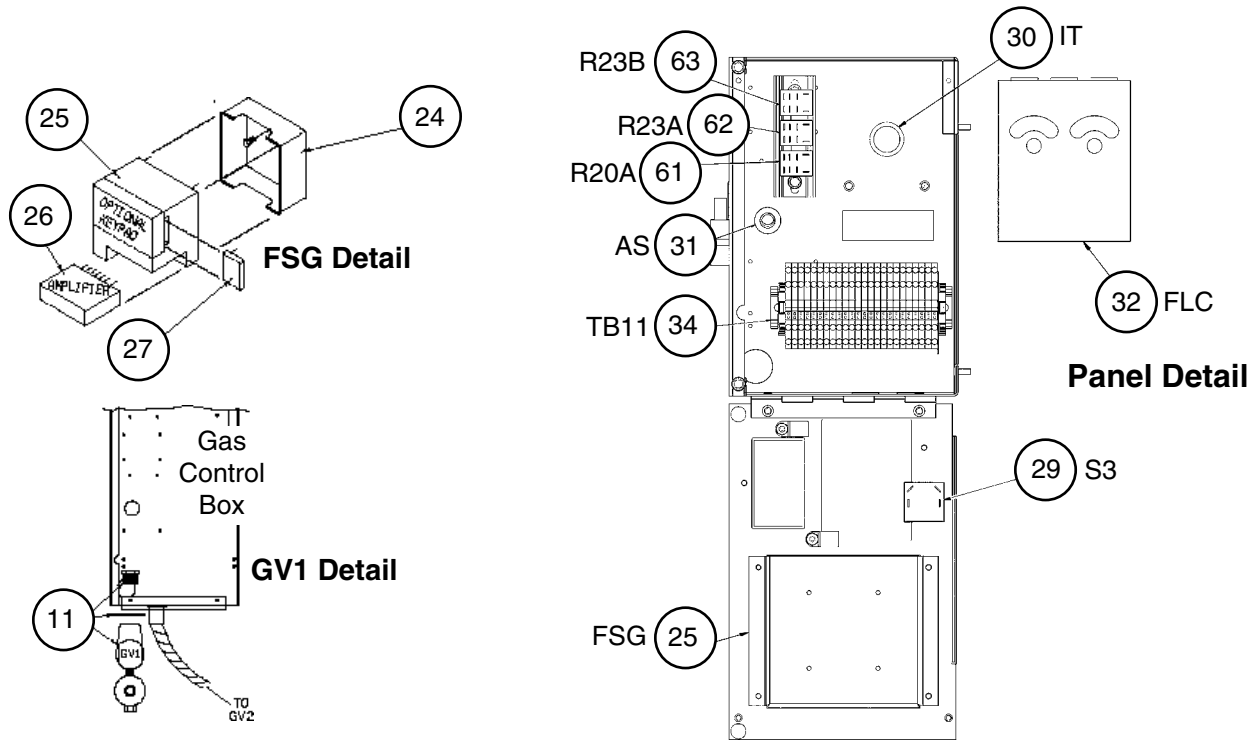
<sup>2</sup> Modulating Burner only (Code 34= \*\*\*\*E, \*\*\*\*R, \*\*\*\*S). For units built before 5/08, use p/n 044465500.

## Section G- Blow-Thru Heat Section

Option 4- Gas Heat: Code 04= A

Modulating Burner Controls (Code 34= \*\*\*\*E\*, \*\*\*\*R\*, \*\*\*\*S\*)

MicroTech III Controls (Code 12= \*E, \*F, \*W)



Ref No.	Sch. Sym.	Part Description	Furnace MBH:			Qty.
			200/250	320	400- 1000	
11	GV1	Pressure Reg. Assy	061530300	061530300	039742000	1
		Valve Only	034077600	034077600	034077600	1
		Manual Cock Valve	034077300	034077300	Not Used	1
		Solenoid Valve	Not Used	Not Used	034488400	1
24		Flame Safeguard Subbase	073300702	073300702	073300702	1
25	FSG	Flame Safeguard	073300803	073300803	073300803	1
26		Amplifier	073300901	073300901	073300901	1
27		Flame Safeguard T.D. 90 Sec.				
		Modulating Burner/UL Units	073301002	073301002	073301002	1
		Flame Safeguard T.D. 30 Sec.				
		Modulating Burner/CSA	073301001	073301001	073301001	1
		All Single Stage Burners	073301001	073301001	073301001	1
29	S3	Toggle Switch- 4PST	033536700	033536700	033536700	1
30	IT	Ignition Transformer	034482600	034482600	034482600	1
31	AS	Air Switch- Gas Burner	033003800	033003800	033003800	1
32	FLC	Fan Limit Control	193423703	193423703	193423703	1
34	TB11	Terminal Block- 14 Pole	015998114	015998114	015998114	1
		Jumper- Terminal Block	001354100	001354100	001354100	1
61	R20A	Relay- High Amp DPDT/120V	349934764	349934764	349934764	1
62	R23A	Relay- High Amp DPDT/120V	349934764	349934764	349934764	1
63	R23B	Relay- Low Amp DPDT/120V	193424341	193424341	193424341	1

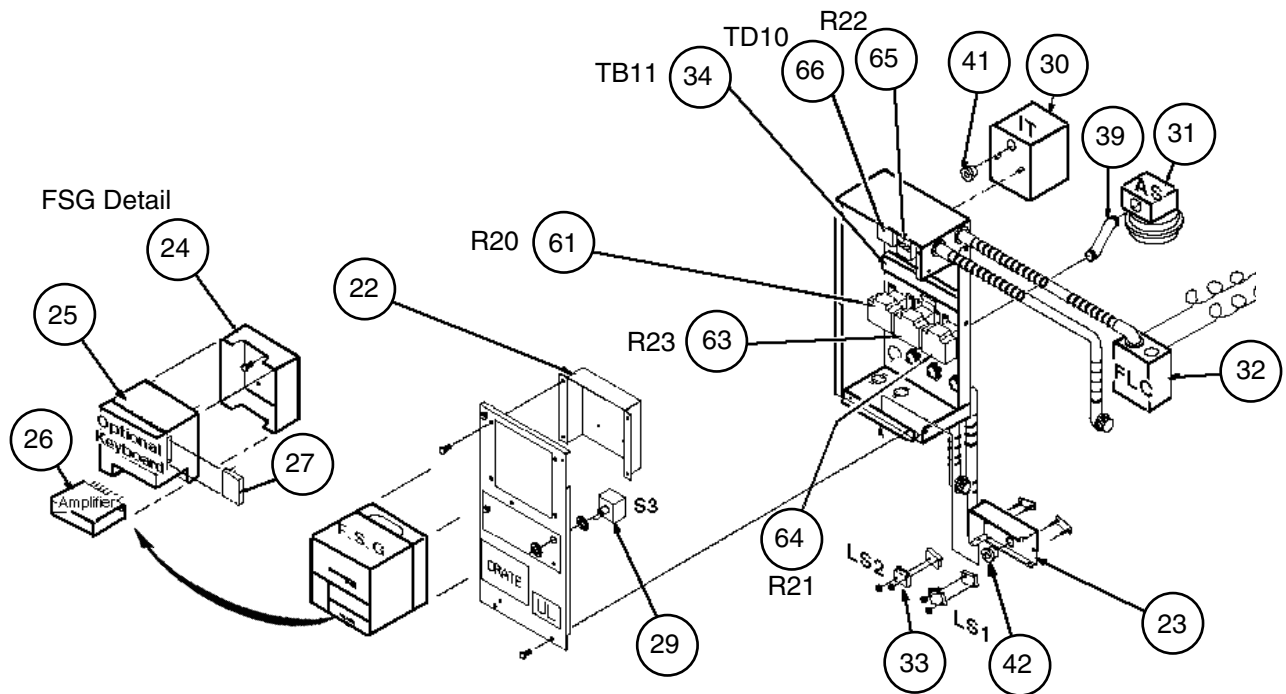
## Section G- Blow-Thru Heat Section

Option 4- Gas Heat: Code 04= A

Hi Turn Down Burner Controls: Code 34= \*\*\*\*H\*, \*\*\*\*T\*, \*\*\*\*U\*

MicroTech II (Code 12= \*D, \*S) OR No Controls (Code 12= YM)

Diagram



## Section G- Blow-Thru Heat Section

Option 4- Gas Heat: Code 04= A

Hi Turn Down Burner Controls: Code 34= \*\*\*\*H\*, \*\*\*\*T\*, \*\*\*\*U\*

MicroTech II (Code 12= \*D, \*S) OR No Controls (Code 12= YM)

### Components

Ref No.	Sch. Sym.	Part Description	Part Number	Qty.
22		Support	059388701	1
23		Support	059388601	1
24		Subbase- Flame Safeguard	073300702	1
25	FSG	Control- Flame Safeguard 4/07 & Later <sup>1</sup>	073300803	1
26		Amplifier	073300901	1
27		Time Delay- Flame Safeguard	073301003	1
29	S3	Switch- Toggle	033536700	1
30	IT	Transformer- Ignition	034482600	1
31	AS	Switch- Air	033003800	1
32	FLC	Control- Fan Limit Until 9/08	073337102	1
		Control- Fan Limit 9/08 & later	193423703	1
33	LS1/LS2	Switch- Limit	059975301	2
34	TB11	Terminal Block	015998114	1
39		Fitting	067297701	1
41		Bushing	001242600	1
42		Bushing	049751901	1
61	R20	Relay		
		120V/DPDT- MicroTech Units (Code 12= 1M- 5M)	019643000	1
		24V/DPDT- MicroTech II Units (Code 12= *D, *S)	016508002	1
N/S	R20A	Relay 120V (After 1/10)	349934764	1
N/S		Mounting Adapter	349964702	1
N/S	R20B	Relay 120V (After 1/10)	193454702	1
		Relay Socket	193454801	1
63	R23	Relay- 120V/DPDT (Before 3/10)	019643000	1
N/S	R23B	Relay- 120V/SPST (After 3/10)	193454702	1
		Relay Socket	193454801	1
64	R21	Relay- 120V/DPDT (Before 3/10)	019643000	1
64	R21	Relay- 120V/DPDT (After 3/10)	193454702	1
		Relay Socket	193454801	1
65	R22	Relay- 120V/SPST (Before 3/10)	027400700	1
65	R22	Relay- 120V/SPST (After 3/10)	349964764	1
N/S		Mounting Adapter	349964702	1
66	TD10	Relay- Time Delay 20.0 Sec.	028210106	1

<sup>1</sup> The original Flame Safeguard, p/n 073300801, used 3/07 & Earlier, is obsolete and no longer available. For units built 3/07 & Earlier, use p/n 073300803. When replacing 073300801 minor field modifications are required for proper installation and operation.

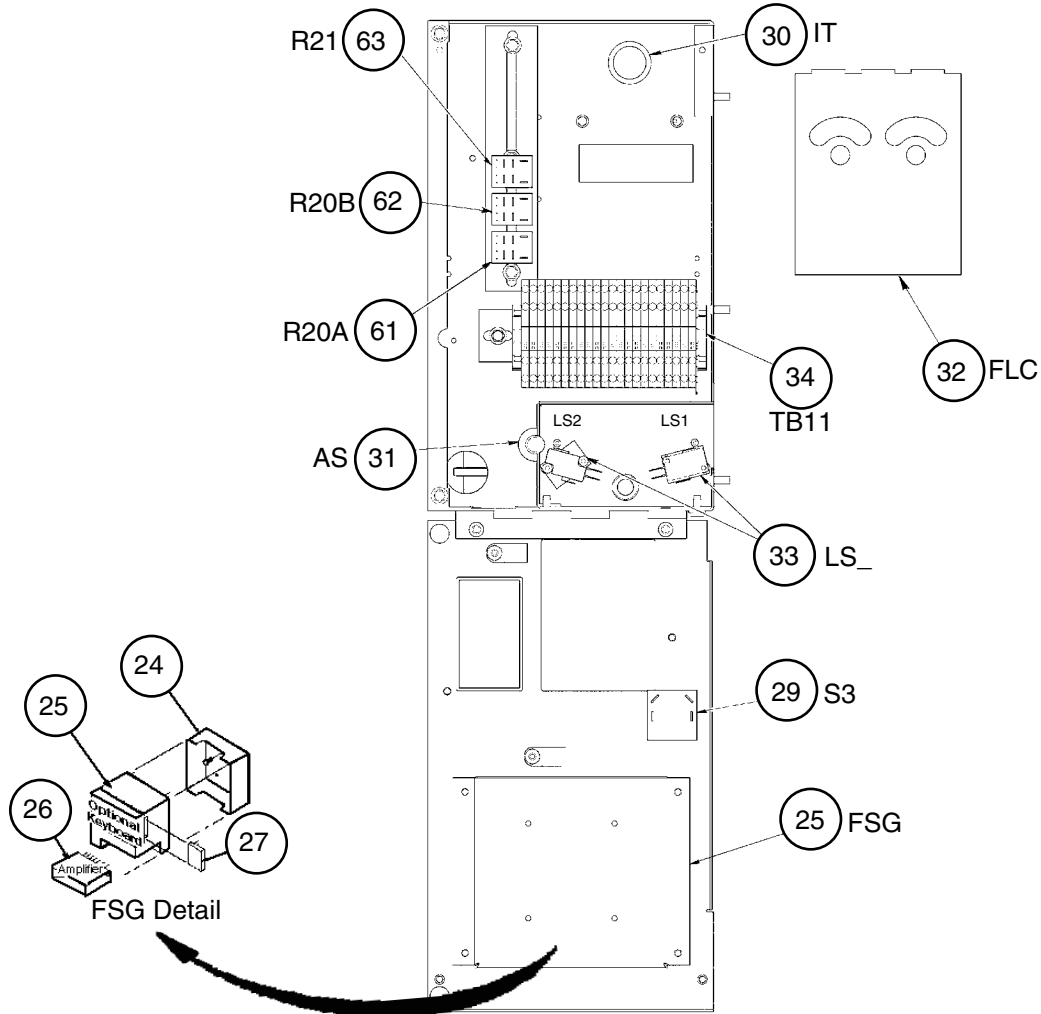
## Section G- Blow-Thru Heat Section

Option 4- Gas Heat: Code 04= A

Hi Turn Down Burner Controls:

Code 34= \*\*\*\*H\*, \*\*\*\*T\*, \*\*\*\*U\*

MicroTech III Controls (Code 12= \*E, \*F, \*W)



Ref No.	Sch. Sym.	Part Description	Part Number	Qty.
24		Subbase- Flame Safeguard	073300702	1
25	FSG	Control- Flame Safeguard	073300803	1
26		Amplifier	073300901	1
27		Time Delay- Flame Safeguard	073301002	1
29	S3	Switch- Toggle	033536700	1
30	IT	Transformer- Ignition	034482600	1
31	AS	Switch- Air	033003800	1
32	FLC	Control- Fan Limit	193423703	1
33	LS1/LS2	Switch- Limit	059975301	2
34	TB11	Terminal Block	015998114	1
		Jumper- Terminal Block	001354100	1
61	R20A	Relay- High Amp DPDT/120V	349934764	1
62	R20B	Relay- Low Amp DPDT/120V	193424341	1
63	R21	Relay- Low Amp DPDT/120V	193424341	1

# Section G- Blow-Thru Heat Section

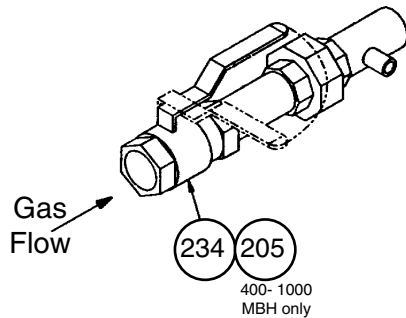
## Option 4- Gas Heat: Code 04= A

### Single Stage OR Modulating Burner:

**Code 34= \*\*\*\*A\*, \*\*\*\*E\*, \*\*\*\*P\*, \*\*\*\*Q\*, \*\*\*\*R\*, \*\*\*\*S\***

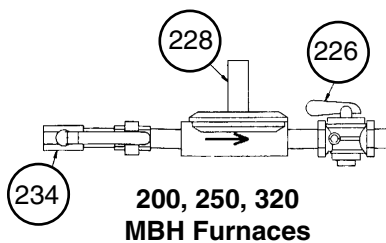
### Gas Train- Inlet

**Units without Pressure Regulator Valve:**  
**Code 34= \*\*\*\*A\*, \*\*\*\*E\***

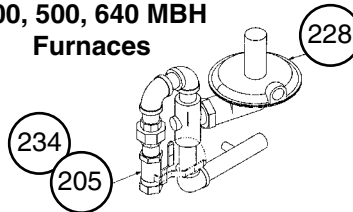


Ref No.	Part Description	Part Number	Qty.
205	Shutoff Valve		
	400- 1000 MBH	034077301	1
234	Gas Valve		
	200, 250, 320 MBH	059468801	1
	400, 500 MBH	059468802	1
	640- 1000 MBH	059468803	1

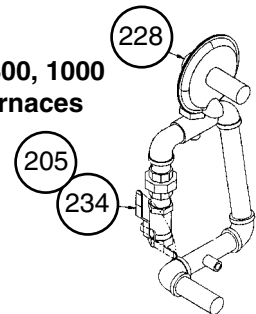
**Units with Pressure Regulator Valve:**  
**Code 34= \*\*\*\*P\*, \*\*\*\*Q\*, \*\*\*\*R\*, \*\*\*\*S\***



**400, 500, 640 MBH Furnaces**



**650, 790, 800, 1000 MBH Furnaces**



Ref No.	Part Description	Pressure Regulator		Qty.
		2- 3 PSI	5- 10 PSI	
205	Shutoff Valve			
	400- 1000 MBH	034077300	034077300	1
226	Shutoff Valve			
	200, 250, 320 MBH	034077101	034077101	1
228	Pressure Regulator			
	200, 250, 320 MBH	034078302	034078302	1
	400 MBH	036619915	036619916	1
	500 MBH	036619914	036619915	1
	640, 650 MBH	036619923	036619925	1
	790, 800 MBH	036619922	036619924	1
	1000 MBH	073387201	036619923	1
234	Gas Valve			
	200, 250, 320 MBH	073387401	073387401	1
	400, 500 MBH	073387402	073387402	1
	640- 1000 MBH	073387403	073387403	1

## Section G- Blow-Thru Heat Section

Option 4- Gas Heat: Code 04= A

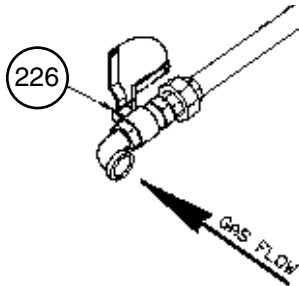
Hi Turn Down Burner:

Code 34= \*\*\*\*H\*, \*\*\*\*T\*, \*\*\*\*U\*

Gas Train- Inlet

Units without Pressure Regulator Valve:

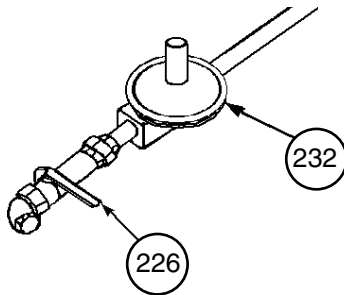
Code 34= \*\*\*\*H\*



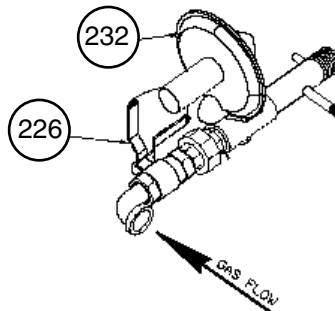
Ref No.	Part Description	Part Number	Qty.
226	Gas Valve		
	200, 250, 320 MBH	059468801	1
	400, 500 MBH	059468802	1
	640- 1000 MBH	059468803	1

Units with Pressure Regulator Valve:

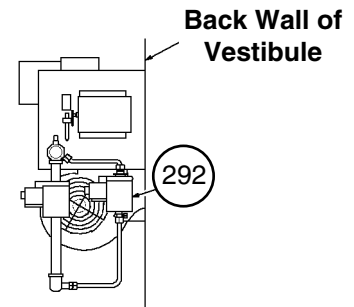
Code 34= \*\*\*\*T\*, \*\*\*\*U\*



**UL Units**  
Code 07= \*U  
(also CSA 200- 320 MBH )



**CSA Units**  
Code 07= C\*  
(except 200- 320 MBH)



**CSA Units**  
Code 07= C\*  
Pilot Valve Detail

Ref No.	Part Description	Pressure Regulator		Qty.
		2- 3 PSI	5- 10 PSI	
226	Shutoff Valve			
	200, 250, 320 MBH	073387401	073387401	1
	400 MBH	073387402	073387402	1
	640- 1000 MBH	073387403	073387403	1
232	Pressure Regulator			
	200, 250, 320 MBH	034078302	034078302	1
	400 MBH	036619915	036619916	1
	500 MBH	036619914	036619915	1
	640, 650 MBH	036619923	036619925	1
	790, 800 MBH	036619922	036619924	1
	1000 MBH	073387201	073387403	1
292	Valve- Combination	073336504	073336504	1



# Section G- Blow-Thru Heat Section

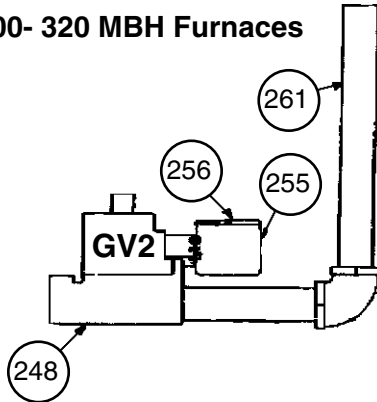
Option 4- Gas Heat: Code 04= A

Single Stage OR Modulating Burner:

Code 34= \*\*\*\*A\*, \*\*\*\*E\*, \*\*\*\*P\*, \*\*\*\*Q\*, \*\*\*\*R\*, \*\*\*\*S\*

Gas Train- Controls: GV2, GV3

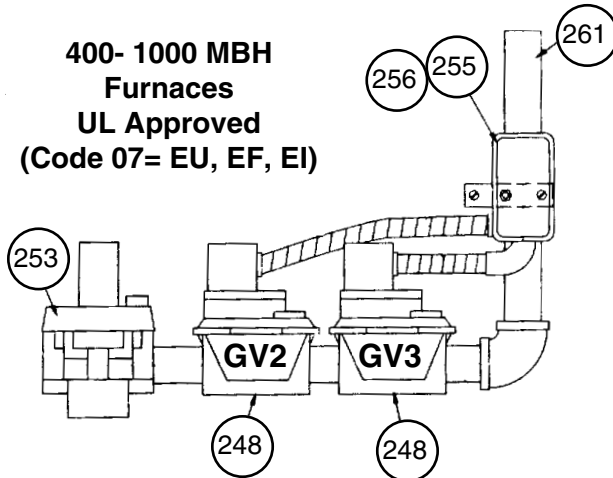
200- 320 MBH Furnaces



Gas Controls: 200, 250, 320 MBH Furnace

Ref No.	Part Description	Part Number	Qty.
248	Gas Valve- GV2	073336502	1
255	Junction Box	020766100	1
256	Junction Box Cover	000127300	1
261	Gas Pipe	034252800	1

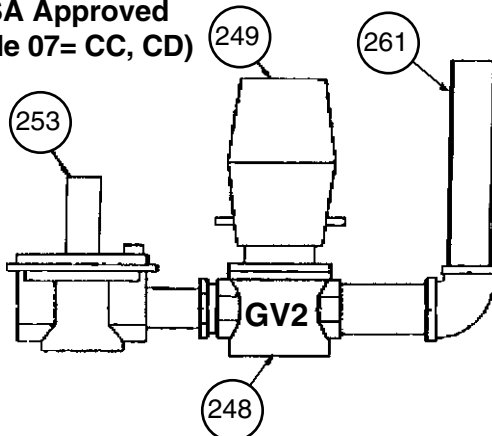
400- 1000 MBH  
Furnaces  
UL Approved  
(Code 07= EU, EF, EI)



Gas Controls: 400- 1000 MBH Furnace  
UL Approved

Ref No.	Part Description	Part Number	Qty.
248	Gas Valve- GV2, GV3		
	400, 500 MBH	073387801	2
	640- 1000 MBH	073387802	2
253	Pressure Regulator		
	400, 500 MBH	034078100	1
	640- 1000 MBH	034077804	1
255	Junction Box	020766100	1
256	Junction Box Cover	000127300	1
261	Gas Pipe		
	400, 500 MBH	031597535	1
	640- 1000 MBH	036617700	1

400- 1000 MBH  
Furnaces  
CSA Approved  
(Code 07= CC, CD)



Gas Controls: 400- 1000 MBH Furnace  
CSA Approved

Ref No.	Part Description	Part Number	Qty.
248	Gas Valve Body- GV2		
	400, 500 MBH	041768902	1
	640- 1000 MBH	041768903	1
249	Actuator	034490101	1
253	Pressure Regulator		
	400, 500 MBH	034078100	1
	640- 1000 MBH	034077804	1
261	Gas Pipe		
	400, 500 MBH	031597535	1
	640- 800 MBH	036617800	1
	1000 MBH	000868600	1

# Section G- Blow-Thru Heat Section

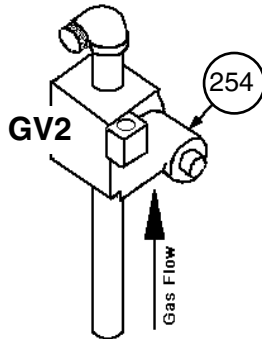
Option 4- Gas Heat: Code 04= A

Hi Turn Down Burner:

Code 34= \*\*\*\*H\*, \*\*\*\*T\*, \*\*\*\*U\*

Gas Train- Controls: GV1, GV2, GV4, GV5, GV6

200- 320 MBH Furnaces



Gas Controls: 200, 250, 320 MBH Furnace

Ref No.	Part Description	Part Number	Qty.
254	Gas Valve- GV2	073336504	1
N/S	Junction Box	020766100	1
N/S	Junction Box Cover	000127300	1

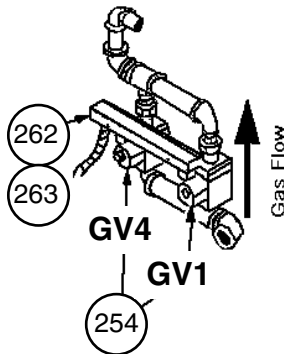
N/S= Not shown on diagram.

400- 650 MBH

Furnaces

UL Approved

(Code 07= EU, EF, EI)

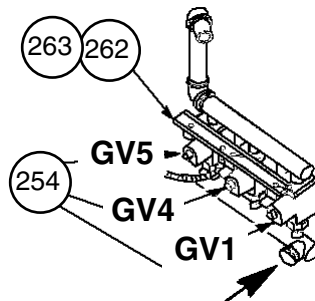


790- 1000 MBH

Furnaces

UL Approved

(Code 07= EU, EF, EI)



Gas Controls: 400- 1000 MBH Furnace

UL Approved

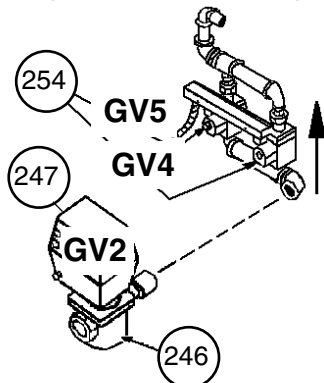
Ref No.	Part Description	Part Number	Qty.
254	Gas Valve- GV1, GV4		
	400- 650 MBH	073336504	2
	Gas Valve- GV1, GV4, GV5		
	790- 1000 MBH	073336504	3
262	Junction Box	020766100	1
263	Junction Box Cover	000127300	1

400- 650 MBH

Furnaces

CSA Approved

(Code 07= CC, CD)

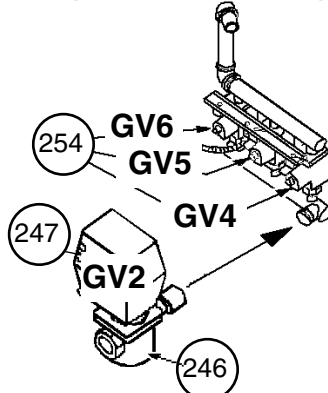


790- 1000 MBH

Furnaces

CSA Approved

(Code 07= CC, CD)



Gas Controls: 400- 1000 MBH Furnace

CSA Approved

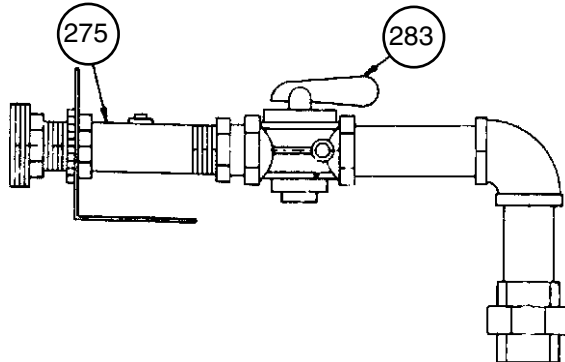
Ref No.	Part Description	Part Number	Qty.
246	Gas Valve Body- GV2		
	400, 500 MBH	041768902	1
	640- 1000 MBH	041768903	1
247	Actuator- GV2		
	until 11/00	034490100	1
	11/00 & later	111047401	1
254	Gas Valve- GV4, GV5		
	400- 650 MBH	073336504	2
	Gas Valve- GV4, GV5, GV6		
	790- 1000 MBH	073336504	3

# Section G- Blow-Thru Heat Section

Option 4- Gas Heat: Code 04= A

Gas Train- Outlet

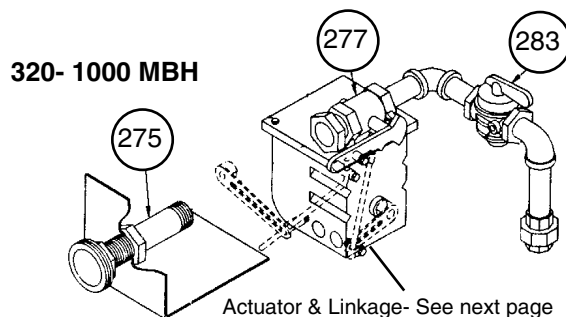
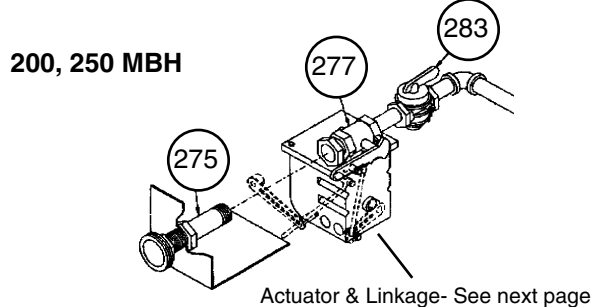
## Single Stage Burners Code 34= \*\*\*\*A\*, \*\*\*\*P\*, \*\*\*\*Q\*



Ref No.	Part Description	Part Number	Qty.
275	Pipe w/ Valve Mount		
	200- 320 MBH	035019700	1
	400 MBH	046674500	1
	500 MBH	035019800	1
	640- 1000 MBH	036235500	1
283	Shutoff Valve <sup>1</sup>		
	200- 320 MBH	059468801	1
	400, 500 MBH	059468802	1
	640- 800 MBH	059468803	1
	1000 MBH UL	058968804	1
	1000 MBH CSA	059468803	1

<sup>1</sup> See footnote #2 below.

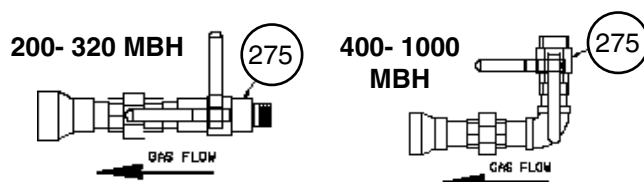
## Modulating Burners Code 34= \*\*\*\*E\*, \*\*\*\*R\*, \*\*\*\*S\*



Ref No.	Part Description	Part Number	Qty.
275	Pipe w/ Valve Mount		
	200- 320 MBH	035019700	1
	400 MBH	046674500	1
	500 MBH	035019800	1
	640- 1000 MBH	036235500	1
277	Butterfly Valve		
	200- 320 MBH	034488302	1
	400, 500 MBH	034488303	1
	640- 1000 MBH	034488304	1
283	Shutoff Valve <sup>2</sup>		
	200- 320 MBH	059468801	1
	400, 500 MBH	059468802	1
	640- 800 MBH	059468803	1
	1000 MBH UL	058968804	1
	1000 MBH CSA	059468803	1

<sup>2</sup> Units built prior to 1998 may use a different shut off valve— 200, 250, 320 MBH: p/n 034077101; 400, 500 MBH: p/n 034077102 (UL) or 046747803 (CSA); 640, 650, 790, 800 MBH: p/n 034077103 (UL) or 046747804 (CSA); 1000 MBH: 034077103 (UL) or 046747805 (CSA). Applies to both Single Stage and Modulating Burners.

## Hi Turn Down Burners Code 34= \*\*\*\*H\*, \*\*\*\*T\*, \*\*\*\*U\*



Ref No.	Part Description	Part Number	Qty.
275	Gas Valve		
	200- 320 MBH	059468801	1
	400, 500 MBH	059468802	1
	640- 1000 MBH	059468803	1

## Section G- Blow-Thru Heat Section

Option 4- Gas Heat: Code 04= A

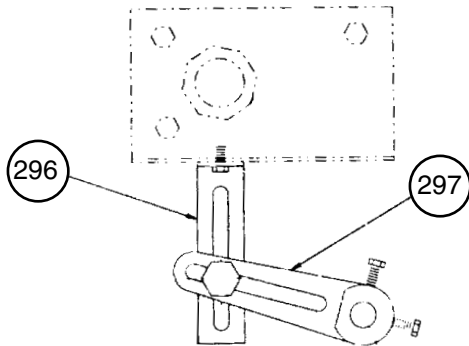
Gas Train- Damper Linkage

Single Stage Burners

Code 34= \*\*\*\*A\* , \*\*\*\*P\* , \*\*\*\*Q\*

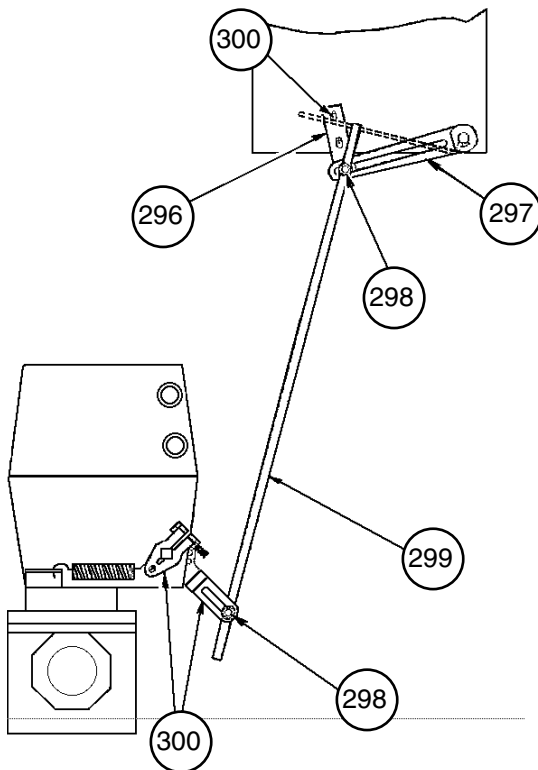
200- 1000 MBH UL Units (Code 07= EU, EF, EI)

200- 320 MBH CSA Units (Code 07= CC, CD)



Ref No.	Part Description	Part Number	Qty.
296	Crank Arm Bracket	036519800	1
297	Crank Arm	034250600	1

400- 1000 MBH CSA Units (Code 07= CC, CD)



Ref No.	Part Description	Part Number	Qty.
296	Damper Stop	037265500	1
297	Crank Arm	034250600	1
298	Linkage- Ball Joint	034250500	2
299	Damper Rod		
	400, 500 MBH	056040201	1
	640- 1000 MBH	056040202	1
300	Crank Arm	023680400	2

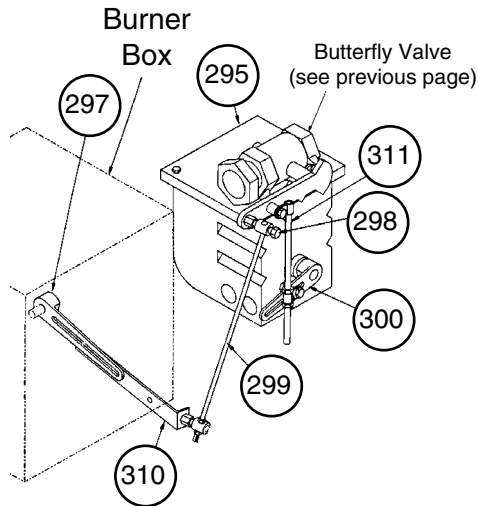
# Section G- Blow-Thru Heat Section

Option 4- Gas Heat: Code 04= A

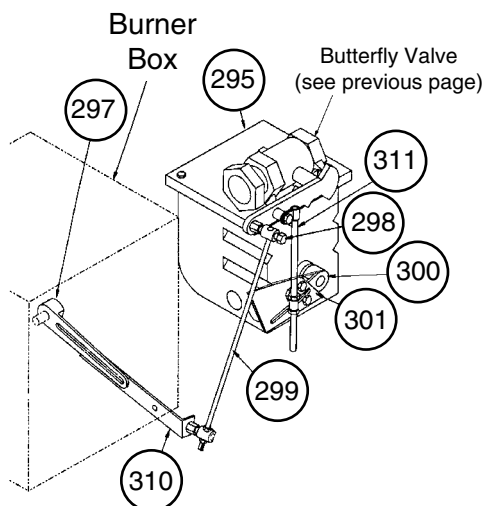
Gas Train- Damper Linkage

Modulating Burners w/ VM1 Actuator

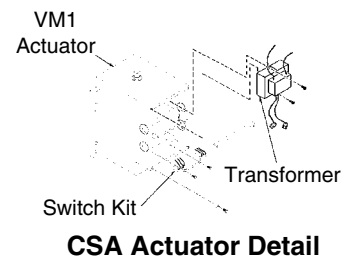
Code 34= \*\*\*\*E\* , \*\*\*\*R\* , \*\*\*\*S\*



**UL Units  
CSA Units (200- 320 MBH)**



**CSA Units (400- 1000 MBH)**



Ref No.	Part Description	Furnace MBH				Qty.
		200- 320	400	500- 650	790- 1000	
295	Actuator Motor VM1					
	Units w/ MicroTech Controls					
	UL Units Until 3/01	047936110	047936110	047936110	047936110	1
	UL Units 3/01 & Later	111047701	111047701	111047701	111047701	1
	CSA Units Until 3/01	047936110	059403184 <sup>3</sup>	059403184 <sup>3</sup>	059403184 <sup>3</sup>	1
	CSA Units 3/01 & Later	111047701	091688001 <sup>2</sup>	091688001 <sup>2</sup>	091688001 <sup>2</sup>	1
	Units w/ No Temp. Ctl. (Code 12= YC)					
	UL Units Until 10/06	066534804	066534804	066534804	066534804	1
	UL Units 10/06 & Later	063483422 <sup>1</sup>	063483422 <sup>1</sup>	063483422 <sup>1</sup>	063483422 <sup>1</sup>	1
	CSA Units Until 10/06	066534804	063483422 <sup>1</sup>	063483422 <sup>1</sup>	063483422 <sup>1</sup>	1
	CSA Units 10/06 & Later	063483422 <sup>1</sup>	063483422 <sup>1</sup>	063483422 <sup>1</sup>	063483422 <sup>1</sup>	1
297	Crank Arm	034250600	034250600	034250600	034250600	1
298	Ball Joint	034250500	034250500	034250500	034250500	2
299	Linkage Arm	058598401	058598401	058598401	058598401	1
300	Crank Arm	023463200	023463200	023463200	023463200	1
301	Extension- Arm CSA Units Only	Not Used	098735201	098735201	098735201	1
310	Air Damper Lever Arm	058598101	058598101	059365001	058598101	1
311	Gas Valve Arm	058598601	058598601	058598601	058598601	1

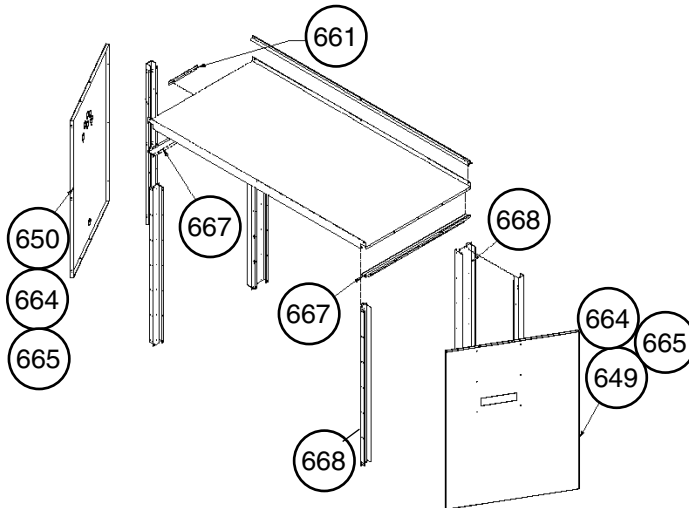
<sup>1</sup> Assembly part number. Motor only is p/n 113105101 (066534803 was used until 8/06), and Interface Kit only is p/n 067112501.

<sup>2</sup> Assembly part number. Motor only is p/n 111047701, and Switch Kit only is p/n 060009101.

<sup>3</sup> Assembly part number. Motor only is p/n 060009601, Transformer is p/n 067112601, and Switch Kit is p/n 060009101.

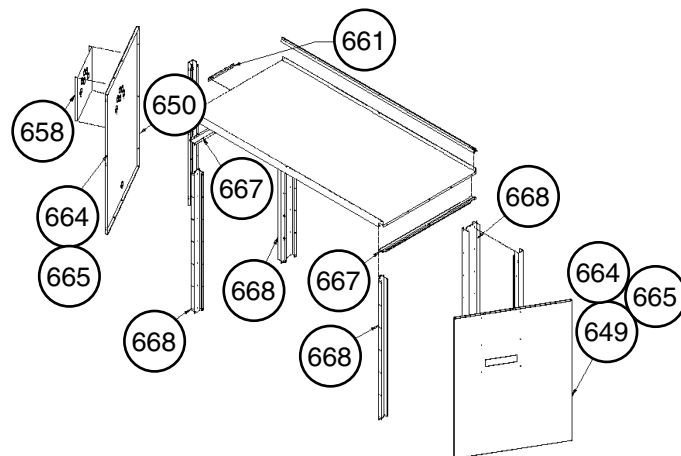
# **Section G- Blow-Thru Heat Section** **Option 4- Gas Heat w/ 200, 250 MBH Furnace** **Code 04= A AND Code 34= 020\*\*\*, 025\*\*\*** **Cabinet Doors, Gasketing, Hardware, & Flue Box Mounting**

**Until 8/03 <sup>1</sup>**



Ref Qty. No.	Part Description	Part Number	
649	Door Assembly	096172139	1
650	Door Assembly	096172137	1
661	Flue Box Mount	058412101	1
664	Sleeve Bearing	047138507	4
665	Door Catch	055502602	4
667	Gasket	055921418	2
668	Gasket	055921420	2

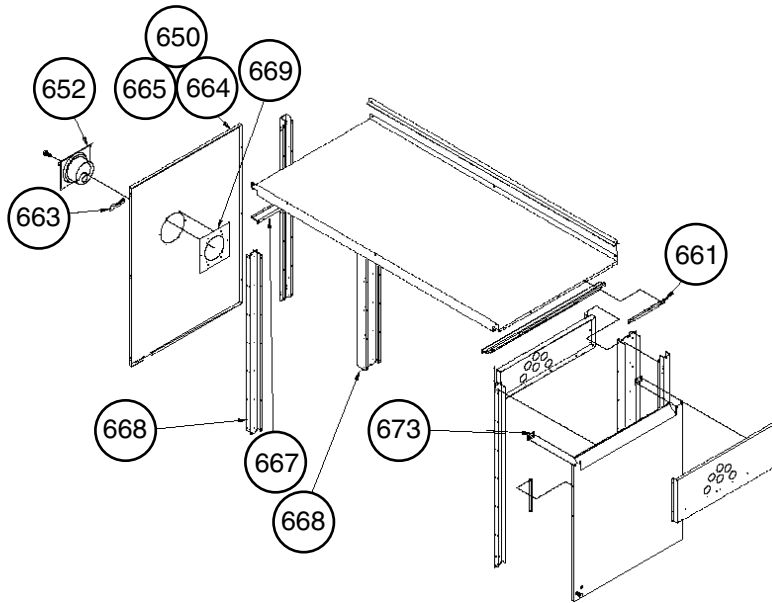
**8/03 & Later <sup>1</sup>**



Ref Qty. No.	Part Description	Part Number	
649	Door Assembly	096172139	1
650	Door Assembly	096171937	1
658	Back- Flue Box	403398101	1
661	Flue Box Mount	403399301	1
664	Sleeve Bearing	047138507	4
665	Door Catch	055502602	4
667	Gasket	055921418	2
668	Gasket	055921420	2

<sup>1</sup> The cabinet components shown changed when the new design heat exchanger was installed in August, 2003. However, if an original design heat exchanger has been replaced with a current design heat exchanger the original flue box mounting hardware was also replaced.

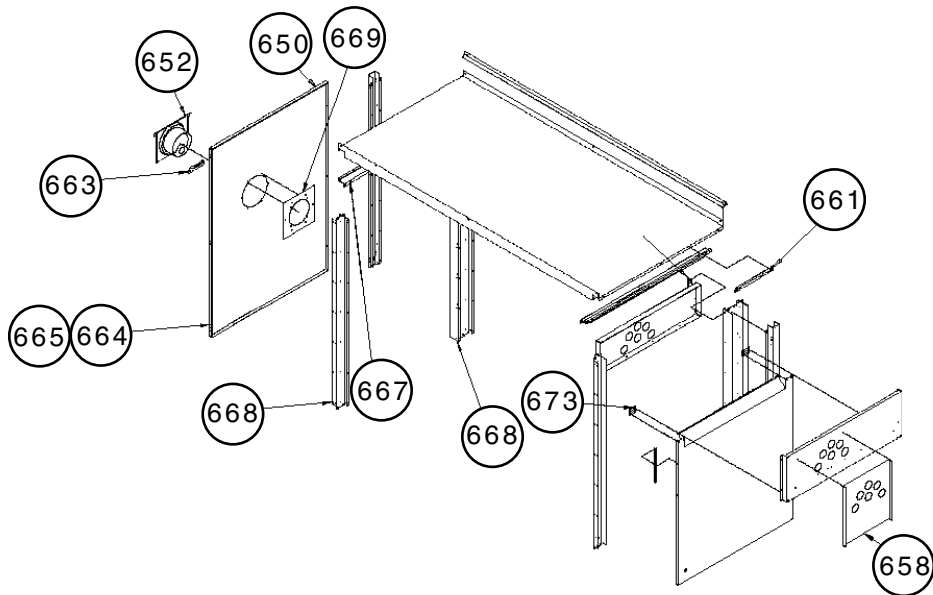
**Section G- Blow-Thru Heat Section**  
**Option 4- Gas Heat w/ 320MBH thru 1000 MBH Furnace**  
**Code 04= A AND Code 34= 032\*\*\* thru 100\*\*\***  
**Cabinet Doors, Gasketing, Hardware, & Flue Box Mounting**  
**Until 8/03 <sup>1</sup>**



Ref No.	Part Description	Part Number	Qty.
650	Door Assembly		
	320, 400 MBH	096171907	1
	500, 640 MBH	063518652	1
	650, 790 MBH	063518657	1
	800, 1000 MBH	063518642	1
652	Inspection Door	034095800	1
661	Mount- Flue Box		
	320, 400 MBH	058625901	1
	500, 640 MBH	058625801	1
	650, 790 MBH	058625701	1
	800, 1000 MBH	058625601	1
663	Drip Shield	033487300	1
664	Sleeve Bearing	047138507	4
665	Door Catch	055502602	4
667	Gasket	055921418	2
668	Gasket	055921420	2
669	Gasket	031949200	1
673	Hinge	034005900	2

<sup>1</sup> The cabinet components shown changed when the new design heat exchanger was installed in August, 2003. However, if an original design heat exchanger has been replaced with a current design heat exchanger the original flue box mounting hardware was also replaced.

**Section G- Blow-Thru Heat Section**  
**Option 4- Gas Heat w/ 320MBH thru 1000 MBH Furnace**  
**Code 04= A AND Code 34= 032\*\*\* thru 100\*\*\***  
**Cabinet Doors, Gasketing, Hardware, & Flue Box Mounting**  
**8/03 & Later <sup>1</sup>**



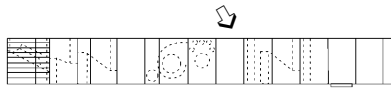
Ref No.	Part Description	Part Number	Qty.
650	Door Assembly		
	320, 400 MBH	096171962	1
	500, 640 MBH	096171953	1
	650, 790 MBH	096171958	1
	800, 1000 MBH	096171942	1
652	Inspection Door	034095801	1
658	Back- Flue Box		
	320, 400 MBH	403398001	1
	500, 640 MBH	403398401	1
	650, 790 MBH	403398601	1
	800, 1000 MBH	403398801	1
661	Angle- Flue Box		
	320, 400 MBH	403399401	1
	500, 640 MBH	403399501	1
	650, 790 MBH	403399601	1
	800, 1000 MBH	403399701	1
663	Drip Shield	033487300	1
664	Sleeve Bearing	047138507	2
665	Door Catch	055502602	2
667	Gasket	055921418	2
668	Gasket	055921420	2
669	Gasket	031949200	1
673	Hinge	034005900	2

<sup>1</sup> The cabinet components shown changed when the new design heat exchanger was installed in August, 2003. However, if an original design heat exchanger has been replaced with a current design heat exchanger the original flue box mounting hardware was also replaced.



## Section H- Blow-Thru Heat Blank Access Section

### Notes



Primary Codes that pertain: 38

Additional Codes that pertain: 06, 34, 35, 39, 40, 41

Code 38 determines all of the section characteristics. If Code 38= B the Section is 40"; if Code 38= D, the Section is 52"; if Code 38= Y, there is no Section.

Code 06 determines the liners and insulation, and will affect the final assembly panels. **For sheet metal components that make up the Blow-Thru Blank Access Section, contact Daikin Applied to ensure correct liners, insulation and hardware are ordered.**

Code 34 determines the Blow-thru Heat Section (Section G). If Code 34= BBBB then there is a 40" Blank/ empty spacer section. There has to be a Section G in order for there to be a Section H, therefore Code 34 cannot = YYYYYY.

Codes 35, 39, 40, 41 determine if there are additional unit sections. If each of these codes are all Ys, then section H is the end of the unit and this will affect channels and uprights.

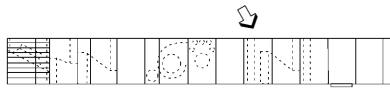
#### Door Hardware and Gasketing

Ref No.	Part Description	Section Size		Qty.
		C38= B	C38= D	
N/S	Sleeve Bearing	047138507	047138507	4
N/S	Door Catch	055502602	055502602	4
N/S	Gasket- Horizontal	055921418	055921419	2
N/S	Gasket- Vertical	055921420	055921420	2

N/S= Not Shown on diagram.

# Section I- Blow-Thru Cooling/Heating Section

## Notes



Primary Codes that pertain: 35, 36, 37

Additional Codes that pertain: 06, 38, 39, 40, 41

Code 35 determines the section characteristics. If Code 35= C\*YY, C\*YS the section contains a *Unit* Cooling Coil and Drain Pan. If Code 35 is C\*YY, the unit has a galvanized steel Drain Pan, if it is C\*YS the Drain Pan is stainless steel. If Code 35= BYYY, BYYS the section contains a *Unit* Cooling Coil and a *Unit* Heating Coil. If Code 35 is BYYY, the unit has a galvanized steel Drain Pan, if it is BYYS the Drain Pan is stainless steel. If Code 35 is DYYY the unit has a galvanized steel Drain Pan only, and if Code 35 is DYYS the Drain Pan is stainless steel. If Code 35= A\*\*, then the unit contains a *Contractor* Coil. Refer to the Contractor Coil Section (Section D, Option 1) for information on *Contractor* Coil replacement. If Code 35= YYYY, there is no section.

Code 36 determines the *Unit* Cooling Coil characteristics, and Code 37 determines the *Unit* Heating Coil characteristics.

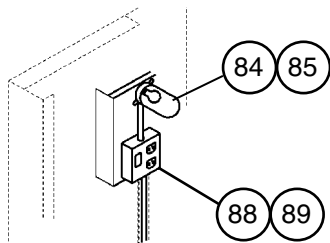
Code 06 determines the liners and insulation, and will affect the final assembly panels. **For sheet metal components that make up the Blow-Thru Cooling/Heating Section, contact Daikin Applied with model and serial number information to ensure correct liners, insulation and hardware are ordered.**

Code 38- 41 determine whether there are additional unit sections, which affect the final assembly panels.

**NOTE: See Section D for all parts used in Section I. Although the section location is different within the unit configuration, the components are identical.**

## Section Mounted Controls

### LT16, S16, REC16

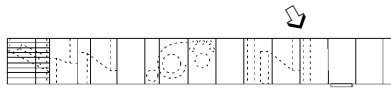


**LT16- BT Cooling/Heating Section Light/S16- BT Cooling/Heating Section Light Switch/REC16- BT Cooling/Heating Section Receptacle.**

Ref No.	Part Description	Part Number	Qty.
84	Light Fixture	042229500	1
85	Bulb- LT16	065492402	1
88	Light Switch- S16	065492201	1
89	Receptacle- REC16	030187000	1

## Section J- Final Filter Section

### Notes



Primary Codes that pertain: 39

Additional Codes that pertain: 04, 34

Code 39 determines all of the section characteristics. If Code 39= A, B, E, F there are filters, if it equals C, D then it is a Blank/empty Section. If Code 39= Y, there is no section.

Codes 04 and 34 determine what type of heat the unit uses. The type of heat influences the filter media and associated parts.

### Cabinet Door Gasketing and Hardware

Ref No.	Part Description	28" Section C39= A,E,C	52" Section C39= B,D,F	Qty.
N/S	Sleeve Bearing	047138507	047138507	4
N/S	Door Catch	055502602	055502602	4
N/S	Gasket	055921420	055921420	4
N/S	Gasket	055921417	055921419	4

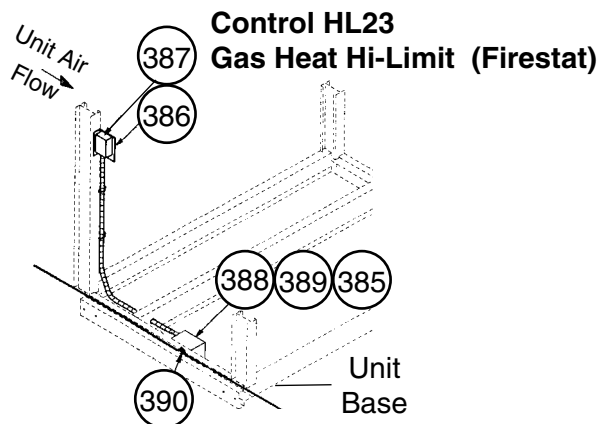
N/S= Not Shown on diagram.

### Section Mounted Controls

**HL23 Gas Hi Limit Control: Code 04= A AND Code 39= A, B, C, D, E, F**

**PC6/SPS6 Clogged Filter Controls: Code 39= A, B, E, F**

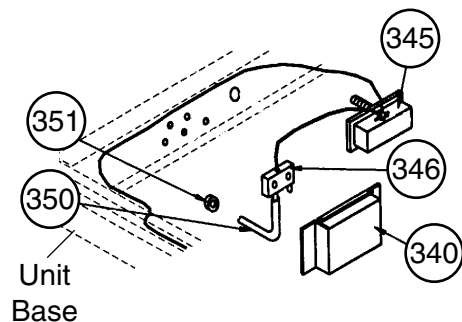
#### Gas Hi Limit Control



Ref No.	Part Description	Part Number	Qty.
385	J Clamp- Antirotate	065779801	1
386	Stat Support	058379401	1
387	HL23 Firestat	047938804	1
388	Junction Box	020766100	1
389	Junction Box Cover	000127300	1
390	Nipple	001335700	1

#### Clogged Filter Control

**Clogged Filter Pressure Switch- PC6**  
**Clogged Filter Transducer- SPS6**



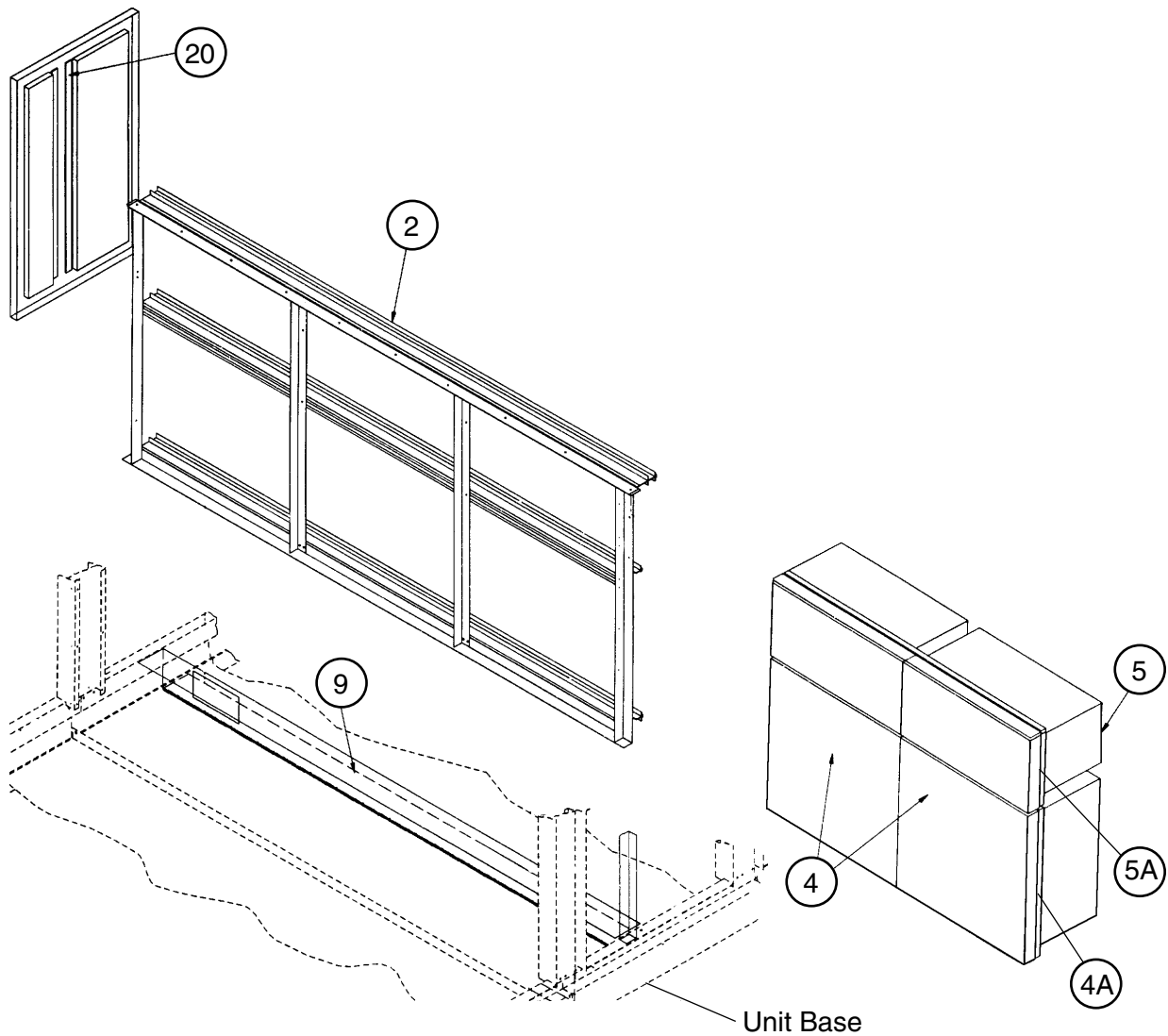
Ref. No.	Part Description	Part Number	Qty.
340	Cover <sup>1</sup>	055732501	1
345	PC6 Pressure Ctl	065493801	1
346	SPS6 Transducer <sup>1</sup>	090009001	1
350	Plastic Tube <sup>1</sup>	049095104	1
351	Grommet <sup>1</sup>	004910100	1

<sup>1</sup> MicroTech Controls (Code 12= 1M- 5M) only.

## Section J- Final Filter Section

### Filter Frame, Filter Gaskets, Filters

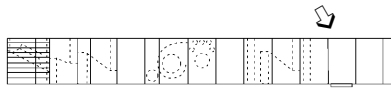
Code 39= A, B, E, F



Ref No.	Part Description	Type of Heat: Code 04=		Qty.
		A, E	Y, H, W, X	
2	Filter Frame	058403111	058403111	1
4	Filter #1- 24" X 24"	073381102	065810702	4
4A	Gasket- Filter #1	073337024	021768924	4
5	Filter #2- 24" X 12"	073381101	065810701	4
5A	Gasket- Filter #2	073337012	021768912	4
9	Bottom Filler Piece	058632101	058632101	1
20	Gasket- Door	026172843	026172804	2

# Section K- Discharge Plenum Section

## Notes



Primary Codes that pertain: 40

Additional Codes that pertain: 06, 11, 34, 35, 36, 38, 39, 41.

Code 40 determines the discharge direction and Discharge Plenum options.

Code 06, insulation and liners, influences the front panels part numbers. **For sheet metal components that make up the Discharge Plenum Section, contact Daikin Applied with model and serial number information to ensure correct liners, insulation and hardware are ordered.**

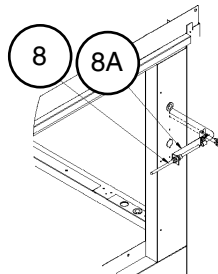
Code 11, the Disconnect Switch option, influences the access door part numbers.

Codes 34- 39, the Blow-thru/Final Filter section codes, and Code 41, the Out of Airstream Blank Section code, pertain to some final assembly part numbers. If Code 41=Y (no Blank Access Section), then the Discharge Plenum End Panels are painted. If the Blank Access Section is present then the End Panels are unpainted.

**Note: The main control box is located in this section. However, the components are listed in their own section (Section N).**

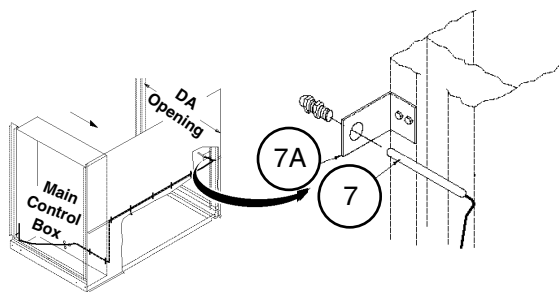
## Section Mounted Controls

### OAT, DAT, SD1



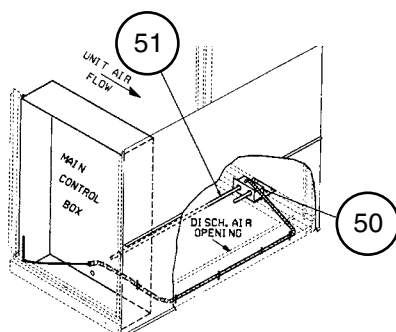
#### Outside Air Temperature Sensor- OAT

Ref No.	Part Description	Part Number	Qty.
8	OA Temp. Sensor- OAT		
	MicroTech Controls	059974605	1
	MicroTech II Controls	060004705	1
	MicroTech III Controls	193414602	1
8A	Bracket	111075901	1



#### Discharge Air Temperature Sensor- DAT

Ref No.	Part Description	Part Number	Qty.
7	DA Temp. Sensor- DAT		
	MicroTech Controls	059974605	1
	MicroTech II Controls	060004705	1
	MicroTech III Controls	193414602	1
7A	Bracket	055732401	1



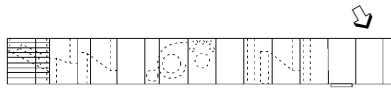
#### Smoke Detector- SD1

Ref No.	Part Description	Part Number	Qty.
30	Smoke Detector SD1	098873101 <sup>1</sup>	1

<sup>1</sup> The original Smoke Detector for units built 2003 & Earlier is no longer available. When replacing any version of SD1, reuse existing Sampling Tubes or order 1pc. 098873101 for Standard Discharge or 2pc. of 098873501 for Side or Top Discharge. Minor field modifications may be required for proper installation.

# Section L- Out-of-Airstream Blank Access Section

## Notes



Codes that pertain: 41

Additional Codes that pertain: 06

If Code 41= Y, there is no blank Blank Access Section. If Code 41= 2, there is a 40"Blank Access Section with Access Doors.

Code 06 determines the liners and insulation, and will affect the final assembly panels. **For sheet metal components that make up the Blow-Thru Cooling Blank Access Section, contact Daikin Applied with model and serial number information to ensure correct liners, insulation and hardware are ordered.**

### Doors, Gasketing and Hardware

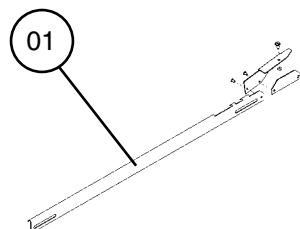
Ref No.	Part Description	Part Number	Qty.
N/S	Door Assembly	096171808	2
N/S	Gasket- Horizontal	055921418	4
N/S	Gasket- Vertical	055921420	4
N/S	Door Sleeve Bearing	047138507	4
N/S	Door Catch	055502602	4

N/S= Not Shown on diagram.

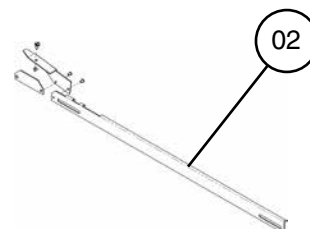
### Door Latching Assemblies (All Sections) <sup>1</sup>

Ref No.	Part Description	Part Number	Qty.
01	Door Latching Assy.- LH, 52"	111242201	var.
02	Door Latching Assy.- RH, 52"	111242202	var.
01	Door Latching Assy.- LH, 72"	111242211	var.
02	Door Latching Assy.- RH, 72"	111242212	var.

<sup>1</sup> These Door Latching Assemblies are used on Standard Unit Section Access Doors. When replacing a Latch Assembly, first determine the handing of the door. Door handing is dependent upon the door's location on the unit. For Handing identification, refer to the drawings below. If unable to determine the hand of the door, contact Daikin Applied with model and serial information AND the location of the door. Once the door handing is determined, it is then necessary to determine the height of the section. The 52" Latching Assembly is used for unit sections 55 inches high (most sections) and the 72" assembly is used for 73" high sections (eg. Section A2 Energy Recovery [Code 20= \*E]).



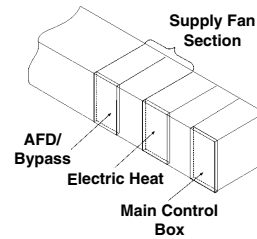
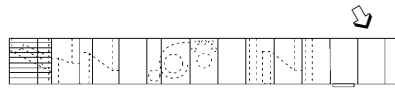
**Door Latching Assy.  
Left Hand**



**Door Latching Assy.  
Right Hand**

# Section N- Main Control Box

## Notes



Primary Codes that pertain: 08, 09, 11, 12, 13, 14, 15, 17, 18  
Additional Codes that pertain: 19, 20, 22, 27, 32, 04, 34, 35, 40

There have been six generations of Main Control Boxes offered:

1. Original MicroTech Controls (Code 08= P AND Code 12= 1M- 5M) were used until 12/2000. This panel had a Main Processor (MCB) and a Keypad mounted on the Dead Door Assembly, an Output Board with a varying (depending on unit options) number of relays, and an ADI (Analog/Digital Input) board mounted in the Control Panel.
2. The MicroTech II Control Panel (Code 08= P AND Code 12= \*D, \*S) was introduced January, 2001. This MicroTech II box had the Main Processor (MCB) mounted in the Control Panel with the Keypad mounted in the Deadfront Door.  
NOTE: The Power Panel components for both of the above were the same.
3. A redesigned MicroTech II Control Box (Code 08= D AND Code 12= \*D, \*S) was offered beginning in October of 2004, and was used exclusively after March, 2005. There is a MCB as well as two Compressor Control Boards (CCB1 & CCB2) in the Control Panel. This design was offered until the end of 2006.
4. Starting in 10/06, and used exclusively after 01/2007, a change was made to the MicroTech II Control Box that changed the vendor for Contactors, Motor Protectors, etc. Components and component accessories such as Auxiliaries, Links, etc. are NOT interchangeable with the previous design. MicroTech II controls were offered until the end of 2008.
5. The MicroTech III control panel (Code 12= \*E, \*F, \*W) was offered beginning in 12/2008. There is an MCB as well as separate Expansion Boards/Modules. The Power Panel components are the same as the later MicroTech II design.
6. In March and April of 2013, the entire MicroTech III Control Box underwent a major redesign. This design change not only changed components, but some Contactor, Motor Protector, and VFD circuiting changed. Note that components and component accessories such as Auxiliaries, Links, etc. are NOT interchangeable with any previous design.

Units may also have no unit controls (Code 12= YM, YC) in which case the Main Control Box has no MCB or Expansion Modules/Boards, but instead has a set of relays.

Code 08 determines which generation of Control Box is installed- "P" is the original design; "D" is the later design. Code 09 is the unit voltage which affects Transformers, Fan Overloads/MMPs, Contactors, Fuses, etc. Code 11 determines whether the main power connection is a Terminal Block or a through-the-door Disconnect. Code 12 selects whether or not the unit has MicroTech controls or controls by others, the communication type, and the type of temperature control specified.

Code 13 determines the presence of Duct Sensors, and associated Relays. Codes 14 and 15 determine whether the Supply and/or Return Fans are equipped with Variable Inlet Vanes and/or Inverters/VFDs. Code 17 determines whether the unit has a Freezestat, PVM (Phase Voltage Monitor), Ground Fault Protection, and/or Line Reactors. Code 18 indicates whether a unit has a Keypad Display (remote or unit mounted) and if a Modem is present (MicroTech only).

Codes 19, 20, and 22 are return air codes, and impact several control options. The presence of an OA hood, the horsepower of the Return Air Motor, etc, have an impact on Contactors, Overloads/MMPs, Fuses, and Sensors.

Code 27 determines the Draw-Thru section, and impacts the Cooling Circuit Relays.

Code 32 determines horsepower for the Supply Fan Motor which, like the Return Air Motor affects Contactors, Fuses, Overloads/MMPs, etc.

Codes 04, 34, and 35 determine the Blow-Thru Section and the heat type, which impact Transformers, Heat Circuit Relays, and Cooling Circuit Relays.

Code 40 determines if there is a VAV/Discharge Damper and associated Relay.

## Section N- Main Control Box

### Control Box Component Label Diagram <sup>1</sup>

#### To Identify Certified Replacement Parts

1. Determine the Device ID for the part needed.
2. Use the charts at the right to identify the McQuay part number.
3. Contact us.

#### For Certified Parts Call:

**1 - 800-377-2787**

International Customers Call:  
001-783-593-5000

www.mcquay.com

GOI Number: H0205904010R01

MB= Main Box; BB= Bypass Box; EB= Electric Heat Box; GB= Gas Box; PB= Prop Exhaust Box;

Location	Device ID	McQuay Part #	Description	McQuay Part #
1	1000000000	1000000000	1000000000	1000000000
2	1000000000	1000000000	1000000000	1000000000
3	1000000000	1000000000	1000000000	1000000000
4	1000000000	1000000000	1000000000	1000000000
5	1000000000	1000000000	1000000000	1000000000
6	1000000000	1000000000	1000000000	1000000000
7	1000000000	1000000000	1000000000	1000000000
8	1000000000	1000000000	1000000000	1000000000
9	1000000000	1000000000	1000000000	1000000000
10	1000000000	1000000000	1000000000	1000000000
11	1000000000	1000000000	1000000000	1000000000
12	1000000000	1000000000	1000000000	1000000000
13	1000000000	1000000000	1000000000	1000000000
14	1000000000	1000000000	1000000000	1000000000
15	1000000000	1000000000	1000000000	1000000000
16	1000000000	1000000000	1000000000	1000000000
17	1000000000	1000000000	1000000000	1000000000
18	1000000000	1000000000	1000000000	1000000000
19	1000000000	1000000000	1000000000	1000000000
20	1000000000	1000000000	1000000000	1000000000
21	1000000000	1000000000	1000000000	1000000000
22	1000000000	1000000000	1000000000	1000000000
23	1000000000	1000000000	1000000000	1000000000
24	1000000000	1000000000	1000000000	1000000000
25	1000000000	1000000000	1000000000	1000000000
26	1000000000	1000000000	1000000000	1000000000
27	1000000000	1000000000	1000000000	1000000000
28	1000000000	1000000000	1000000000	1000000000
29	1000000000	1000000000	1000000000	1000000000
30	1000000000	1000000000	1000000000	1000000000
31	1000000000	1000000000	1000000000	1000000000
32	1000000000	1000000000	1000000000	1000000000
33	1000000000	1000000000	1000000000	1000000000
34	1000000000	1000000000	1000000000	1000000000
35	1000000000	1000000000	1000000000	1000000000
36	1000000000	1000000000	1000000000	1000000000
37	1000000000	1000000000	1000000000	1000000000
38	1000000000	1000000000	1000000000	1000000000
39	1000000000	1000000000	1000000000	1000000000
40	1000000000	1000000000	1000000000	1000000000
41	1000000000	1000000000	1000000000	1000000000
42	1000000000	1000000000	1000000000	1000000000
43	1000000000	1000000000	1000000000	1000000000
44	1000000000	1000000000	1000000000	1000000000
45	1000000000	1000000000	1000000000	1000000000
46	1000000000	1000000000	1000000000	1000000000
47	1000000000	1000000000	1000000000	1000000000
48	1000000000	1000000000	1000000000	1

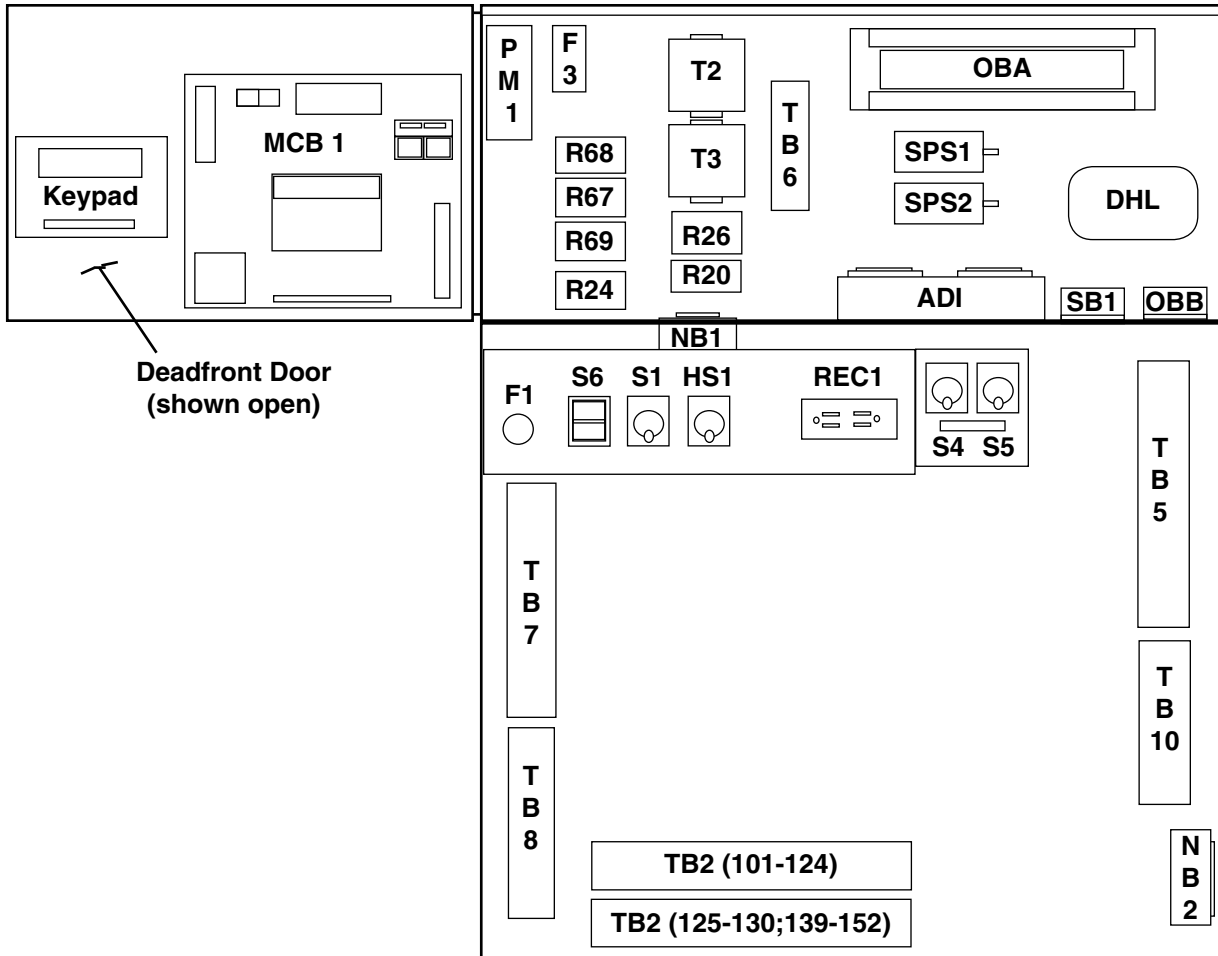
<sup>1</sup> Note that starting in late 2010 all units will have a label similar to the one shown above pasted to the inside of the Control Box door. This label contains schematic designators, part descriptions, and Daikin Applied part numbers. The label shown above is for representative purposes only. Actual part numbers will vary depending upon unit options selected.



# Section N- Main Control Box

## Control Panel

Microtech Units with Controller (Code 12= 1M- 5M)— Until 1/01  
Diagram & Components



Sch. Sym.	Part Description	Part Number	Qty.
	<b>Switches</b>		
S1	Toggle Switch- On/Off: Units with Gas Heat (Code 04= A)	018446400	1
	Toggle Switch- On/Off: Units without Gas Heat (C04= E, W, S, Y, X)	001355000	1
S4, S5	Toggle Switch- Inverters (Code 14= 1- 9, X)	028798400	2
	Control Plate- Inverter on Supply Air Fan Only (C14= 1- 9, X)	059318301	2
	Connector Bar- Inverter on Supply and Return Air Fan (C14= 1- 9, X)	033250200	2
S6	Rocker Switch- Inverters on Return & Supply Air Fan (C14= 1- 9, X)	047357306	1
HS1	Electric Heat Shutdown Switch (Code 04= E)	001355000	1
	<b>Fusing</b>		
F1	Fuseholder	018690600	1
	F1 Fuse- Control Circuit Fuse	025954700	1
F3	Fuse Block- Gas Heat w/Modulating Burner (C04= A & C34= ****E, R, S)	023780201	1
	Fuse- Gas Heat w/Modulating Burner (C04= A & C34= ****E, R, S)	025860505	1

# Section N- Main Control Box

## Control Panel

### Microtech Units with Controller (Code 12= 1M- 5M)— Until 1/01

#### Components, Continued

Sch. Sym.	Part Description	Part Number	Qty.
	<b>Terminal Blocks</b>		
TB2	Terminal Block- 24 Terminals	022431224	1
	Terminal Block- 20 Terminals	022431220	1
TB5	Terminal Block- 30 Terminals	015998130	1
TB6	Terminal Block- 20 Terminals	015998120	1
TB7	Terminal Block- 30 Terminals	015998130	1
TB8	Terminal Block- 14 Terminals	015998114	1
TB10	Terminal Block- 9 Terminals	015998109	1
NB1, 2	Terminal Block- Neutral Block	037530800	2
	<b>Transformers</b>		
T2	Control Circuit Transformer	060630801	1
T3	Controller Transformer 24V- 18V	046738114	1
	<b>Relays</b>		
R20	Relay- Gas, Steam, Hot Water Heat (Code 04= W, S, A)	019643000	1
R24	Relay- Gas Heat Alarm	032508101	1
R26	Relay- DPDT: Occupied/Unoccupied	019643000	1
R67,R68	Relay- Inverters (Code 14= 1- 9, X)	019643000	2
R69	Relay- Inverters w/ bypass (Code 14= 1, 3, 4, 8, X)	019643000	1
	Relay- Inverters w/ bypass (Code 14= 2, 5, X)	032508101	1
	<b>Output Boards and Output Board Relays</b>		
OBA	Output Board- A	066542201	1
	Output Board Relay- All Positions except OAB9, 10, 11, 12	049265601	Varies
	Output Board Relay- Positions OAB9, 10, 11, 12 (Units with Inverters)	049265603	2- 4
-	Ribbon Cable MCB1 to OBA	049265201	1
OBB	Output Board, B- 4 Position	066542203	1
	Output Board, B- 8 Position	066542202	1
	<b>Main MicroTech Controller and Associated Boards</b>		
MCB1	Main Controller- Model 250: Must be programmed (unit GO# required)	065487306	1
	Power Fuses for MCB1	065822001	2
	COM Port Fuse for MCB1	065821901	1
ADI	ADI Board	065816005	1
-	Ribbon Cable MCB1 to ADI	049265104	1
Keypad	Keypad Assembly- Mounted on outside of deadfront door	065497201	1
-	Ribbon Cable MCB1 to Keypad	065499702	1
SB1	Staging Board- 3 Stg. Clg/VAV unit only (C12= 4M AND C42= 3)	065499005	1
	Staging Board- 4 Stg. Clg/VAV unit only (C12= 4M AND C42= 3)	065499003	1
-	Ribbon Cable SB1 to OB*	065499501	1
	<b>Modem</b>		
PM1	Modem Assembly (includes Cord Set, Modem & Label)	063585011	1
	Modem Only	059476901	1
	Cord Set Only	059476701	1
	Modem Strap	066121203	1
	Modem Strap Gasket	021911406	1
	<b>Receptacle</b>		
REC1	Receptacle	039003600	1
	<b>Transducers and Pressure Controls</b>		
SPS1	Static Pressure Transducer- Duct/Building (Code 13= 1, 2, 3)	049545007	1
	Resistor, Static Pressure Transducer	044690143	1
SPS2	Static Pressure Transducer- Duct/Building (Code 13= 2)	049545007	1
	Static Pressure Transducer- Duct/Building (Code 13= 3, 4)	049545006	1
DHL	Duct Hi-Limit Pressure Control	065493801	1

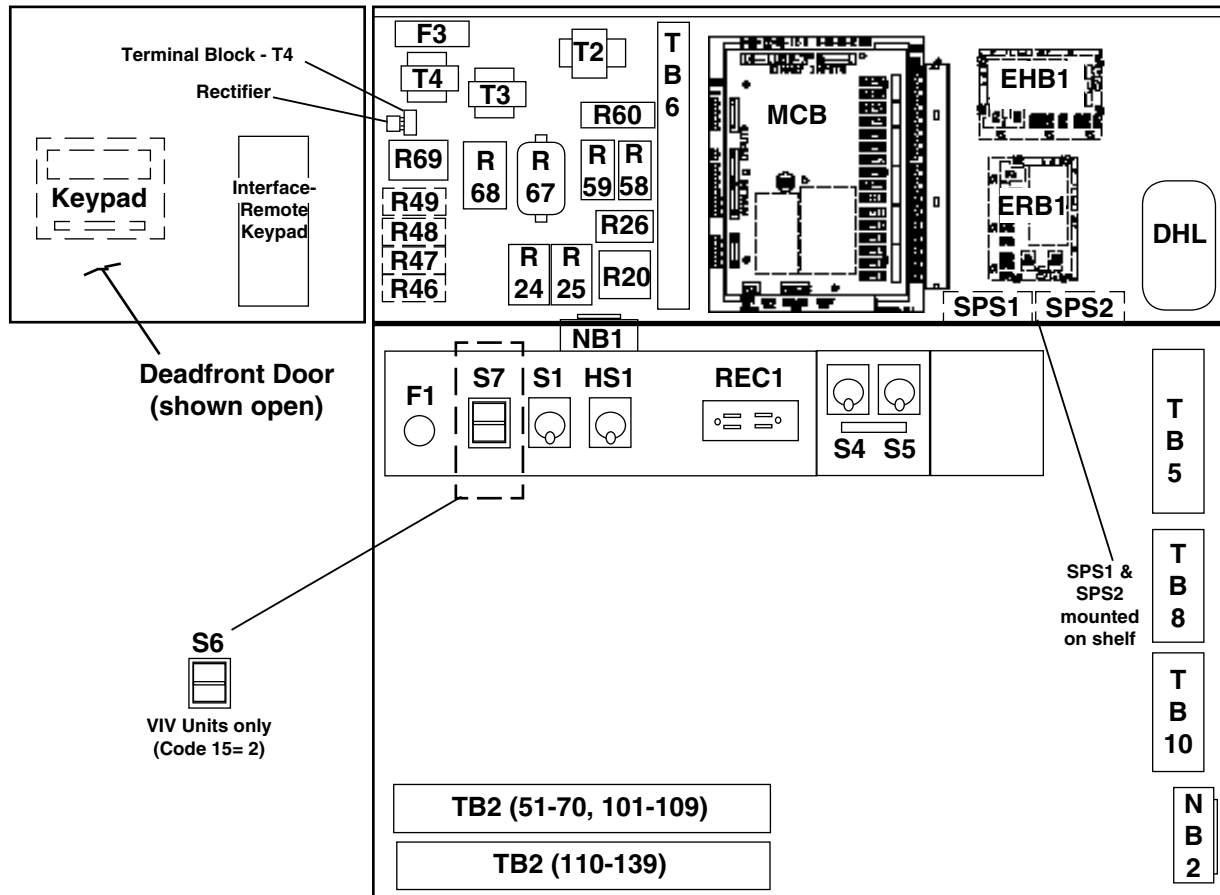
# Section N- Main Control Box

## Control Panel

### Microtech II Units with Controller (Code 12= \*D, \*S)- 1/01 thru 3/05 <sup>1</sup>

#### Diagram & Components

<sup>1</sup> Between 10/04 and 3/05 either this control panel (Code 08= P) OR the later control panel design (Code 08= D) could be installed. Check the GO or visually inspect the unit to verify which panel is installed.



Sch. Sym.	Part Description	Part Number	Qty.
	<b>Switches</b>		
S1	Toggle Switch- On/Off: Units with Gas Heat (Code 04= A)	018446400	1
	Toggle Switch- On/Off: Units without Gas Heat (C04= E, W, S, Y, X)	001355000	1
S4, S5	Toggle Switch- Inverters (Code 14= 1- 9, X)	028798400	2
	Control Plate- Inverter on Supply Air Fan Only (Code 14= 1- 9, X)	060003501	2
	Connector Bar- Inverter on Supply and Return Air Fan (Code 14= 1- 9, X)	033250200	2
S6	Rocker Switch- VIV Units (Code 15= 2)	072402801	1
S7	Rocker Switch- Gas Heat	072402801	1
HS1	Electric Heat Shutdown Switch (Code 04= E)	001355000	1
	<b>Fusing</b>		
F1	Fuseholder	018690600	1
	F1 Fuse- Control Circuit Fuse	025954700	1
F3	Fuse Block- Gas Heat w/Modulating Burner (C04= A & C34= ****E, R, S)	023780201	1
	Fuse- Gas Heat w/Modulating Burner (C04= A & C34= ****E, R, S)	025860505	1
	<b>Receptacle</b>		
REC1	Receptacle	039003600	1

## Section N- Main Control Box

### Control Panel

### Microtech II Units with Controller (Code 12= \*D, \*S)- 1/01 thru 3/05 <sup>1</sup>

#### Components, Continued

<sup>1</sup> Between 10/04 and 3/05 either this control panel (Code 08= P) OR the later control panel design (Code 08= D) could be installed. Check the GO or visually inspect the unit to verify which panel is installed.

Sch. Sym.	Part Description	Part Number	Qty.
	<b>Terminal Blocks</b>		
TB2	Terminal Block- 30 Terminals	022431230	2
TB5	Terminal Block, 24 Terminals	022431224	1
TB6	Terminal Block- 24 Terminals	015998124	1
TB8	Terminal Block, 14 Terminals- Field Installed Inverters only (Code 15=F)	022431214	1
TB10	Terminal Block- 12 Terminals- Electric, Gas Heat (Code 04= E, A)	015998112	1
	Terminal Block- 12 Terminals- HW, Steam, No Heat (Code 04= W, S, Y)	022431212	1
NB1, 2	Terminal Block- Neutral Block	037530800	2
	<b>Transformers</b>		
T2, T3	Transformer- Control Circuit	060004601	1
T4	Transformer	060614101	1
	Terminal Block- T4 Transformer	065499806	1
	Rectifier- T4 Transformer Terminal Block	111059401	1
	<b>Relays</b>		
R20	Relay- Gas, Steam, Hot Water Heat (Code 04= W, S, A)	026213000	1
R24	Relay- Gas Heat	032508101	1
R25	Relay, Gas Heat- Units With Inverters (Code 14= 2- 9)	032508101	1
R26	Relay- Iso Damper	073305401	1
R46,47	Relay- Return Fan Inverter	072789226 <sup>2</sup>	2
R48,49	Relay- Exhaust Fan Inverter	072789226 <sup>2</sup>	2
R58,59	Relay- Heat Wheel Inverter (Code 24= F)	072789226 <sup>2</sup>	2
R60	Relay- Heat Wheel Enable (Code 24= F)	032508101	1
R67	Relay, Control- units with inverters (Code 14= 2- 9)	073305401	1
	Relay, Control- units without inverters (Code 14= Y)	026213000	1
R68	Relay- Inverters (Code 14= 1- 9)	073305401	1
R69	Relay- Inverters w/ bypass (Code 14= 4, 8)	019643000	1
	Relay- Inverters w/ bypass (Code 14= 2, 5)	032508101	1
	<b>Main MicroTech Controller and Associated Boards</b>		
MCB	Main Controller- Must be programmed (unit GO# required)	060006101	1
	Com Card- BACnet (Code 12= B*)	060006202	1
	Com Card- BACnet with Ethernet (Code 12= E*)	060006201	1
	Com Card- LonMark with Space Control (Code 12= LS)	060006203	1
	Com Card- LonMark with Discharge Control (Code 12= LD)	060006204	1
	Standoff- Com Card	048166706	4
	Kit- Connector Repair	300036605	1
	Power Supply- 5 VDC	111049610	
	Serial Port Ribbon Cable	111047201	1
	Battery	049754501	1
ERB1	Energy Recovery Board	112026101	1
EHB1	Electric Heat Board (Code 04= E)	112026101	1
	Standoff- EHB1 or ERB1	048166705	7/board
	Communication Module- EHB1 or ERB1	060006202	1/board
	Standoff, Comm Module- EHB1 or ERB1	048166707	4/module
Keypad	Keypad Assy	060006301	1
	Board- Remote Keypad Interface	112021601	1
	Cable- Keypad	111044601	1

<sup>2</sup> Relay Assembly. Consists of: Relay- p/n 060017101; Socket Only- p/n 060016901; Clip Only- p/n 060017001.

## Section N- Main Control Box Control Panel

### Microtech II Units with Controller (Code 12= \*D, \*S)- 1/01 thru 3/05 <sup>1</sup> Components, Continued

<sup>1</sup> Between 10/04 and 3/05 either this control panel (Code 08= P) OR the later control panel design (Code 08= D) could be installed. Check the GO or visually inspect the unit to verify which panel is installed.

Sch. Sym.	Part Description	Part Number	Qty.
	<b>Transducers and Pressure Controls</b>		
SPS1	Static Pressure Transducer- Duct (Code 13= 3)	049545007 <sup>4</sup>	1
SPS2	Static Pressure Transducer- Duct (Code 13= 3)	049545007 <sup>4</sup>	1
	Static Pressure Transducer- Building (Code 13= 3, 4)	049545006	1
DHL	Duct Hi-Limit Pressure Control	065493801	1
	<b>Sensors</b>		
ZNT1	Sensor- Zone Temperature w/ Tenant Override <sup>3</sup>	111048101	1
	Sensor- Zone Temp. w/ Tenant Override & Remote Setpoint Adjustment <sup>2, 3</sup>	111048102	1
DAT	Sensor- Discharge Air Temperature <sup>3</sup>	060004705	1
EFT	Sensor- Entering Fan Air Temperature <sup>3</sup>	060004705	1
OAT	Sensor- Outside Air Temperature <sup>3</sup>	060004705	1
RAT	Sensor- Return Air Temperature <sup>3</sup>	060004705	1
EAT	Sensor- Exhaust Air Temperature <sup>3</sup>	060004705	1
LAT	Sensor- Leaving Air Temperature <sup>3</sup>	060004705	1

<sup>2</sup> SCC Units only- Code 12= BS, LS, ES, SS.

<sup>3</sup> Not Shown on diagram.

<sup>4</sup> Prior to 8/02 duct sensor was p/n 049545005. 049545007 replaces this part.

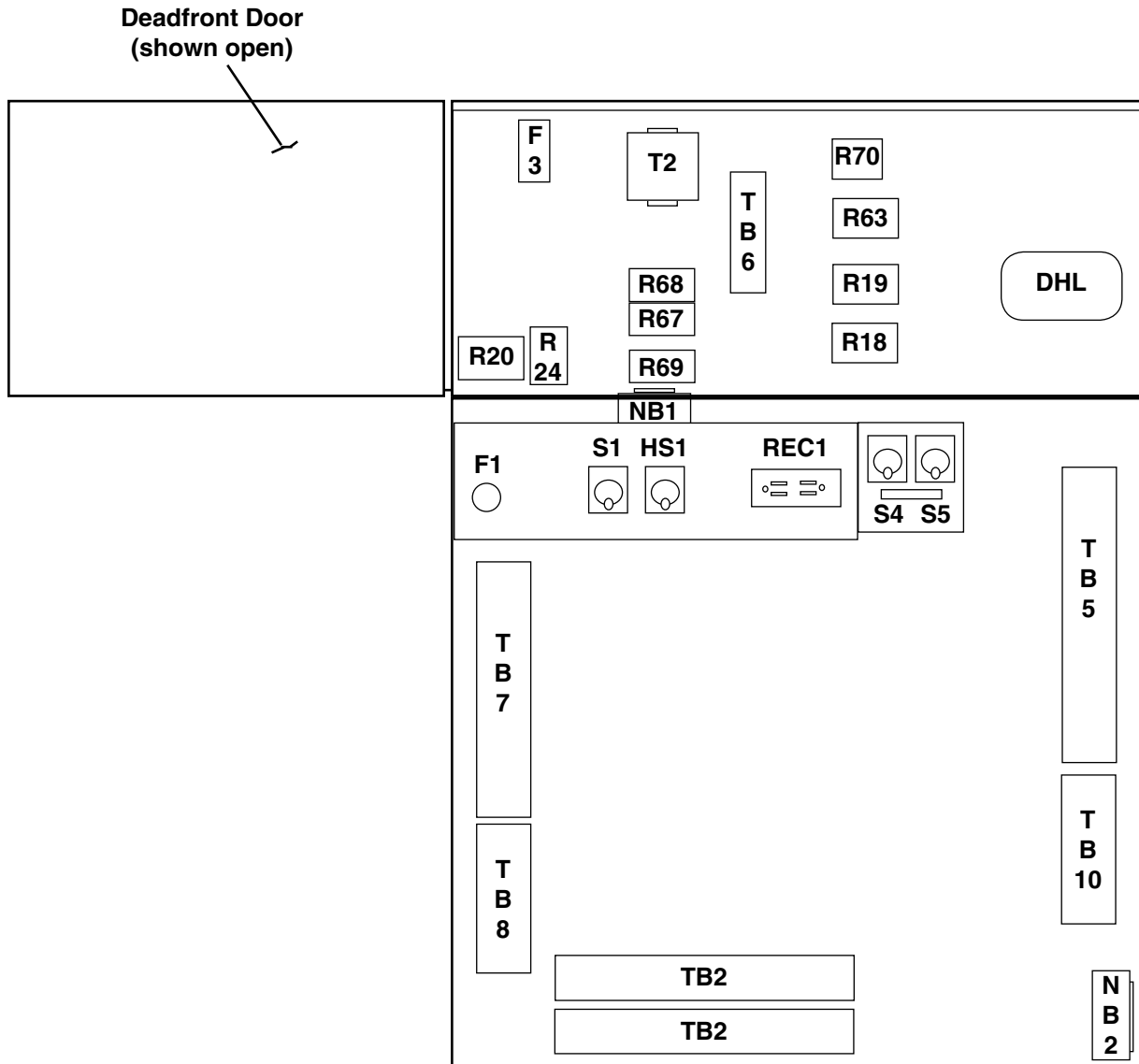
# Section N- Main Control Box

## Control Panel

### Units with No Controller (Code 12= YC, YM)- Until 3/05 <sup>1</sup>

### Diagram

<sup>1</sup> Between 10/04 and 3/05 either this control panel (Code 08= P) OR the later control panel design (Code 08= D) could be installed. Check the GO or visually inspect the unit to verify which panel is installed.



# Section N- Main Control Box

## Control Panel

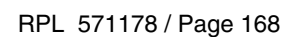
### Units with No Controller (Code 12= YC, YM)- Until 3/05 <sup>1</sup>

### Components

<sup>1</sup> Between 10/04 and 3/05 either this control panel (Code 08= P) OR the later control panel design (Code 08= D) could be installed. Check the GO or visually inspect the unit to verify which panel is installed.

Sch. Sym.	Part Description	Part Number	Qty.	
	<b>Switches</b>			
S1	Toggle Switch- On/Off: Units with Gas Heat (Code 04= A)	018446400	1	
	Toggle Switch- On/Off: Units without Gas Heat (Code 04= E, W, S, Y, X)	001355000	1	
S4, S5	Toggle Switch- Inverters (Code 14= 1- 9, X)	028798400	1	
	Control Plate- Inverter on Supply Air Fan Only (Code 14= 1- 9, X)	059318301	1	
	Connector Bar- Inverter on Supply and Return Air Fan (Code 14= 1- 9, X)	033250200	1	
HS1	Electric Heat Shutdown Switch (Code 04= E)	001355000	1	
	<b>Fusing</b>			
F1	Fuseholder	018690600	1	
	Fuse- Control Circuit Fuse	025954700	1	
F3	Fuse Block- Gas Heat w/Modulating Burner (C04= A & C34= ****E, R, S)	023780201	1	
	Fuse- Gas Heat w/Modulating Burner (C04= A & C34= ****E, R, S)	025860505	1	
	<b>Relays</b>			
R18, 19	Relay	016508002	2	
R20	Relay- Gas, Steam, Hot Water Heat (Code 04= W, S, A)	019643000	1	
R24	Relay- Gas Heat Alarm	032508101	1	
R63	Relay- Hi Limit	073305401	1	
R67, R68	Relay- Inverters (Code 14= 1- 9, X)			
	No Bypass (Code 14= 6,7,9, X)	016508002	2	
	With Bypass (Code 14= 1- 5, 8, X)	019643000	2	
R69	Relay- Inverters with bypass only (Code 14= 1- 5, 8, X)	032508101	1	
R70	Relay- Inverters (Code 14= 1- 9, X)	016508002	1	
	<b>Terminal Blocks</b>			
TB2	Terminal Block- 20 Terminals	022431220	1	
	Terminal Block- 24 Terminals	022431224	1	
TB5	Terminal Block- 30 Terminals	022431230	1	
TB6	Terminal Block- 20 Terminals	015998120	1	
TB7	Terminal Block- 30 Terminals	022431230	1	
TB8	Terminal Block- 24 Terminals	022431214	1	
TB10	Terminal Block- 14 Terminals- Gas Heat Single Stage OR Mod. Burner	022431214	1	
	Terminal Block- 9 Terminals- Hi-Turn Down Burner	015998109	1	
NB1, 2	Terminal Block- Neutral Block	037530800	2	
	<b>Transformers</b>			
T2	Control Circuit Transformer	029948300	1	
	<b>Receptacle</b>			
REC1	Receptacle- No Supply/Return Fan Lights (Code 49= Y)	039003600	1	
	Receptacle- Supply and Return Lights (Code 49= B, E)	039003100	1	
	<b>Pressure Controls</b>			
DHL	Duct Hi-Limit Pressure Control	065493801	1	
	Duct Hi Limit Control Pneumatic Fitting	049763002	1	

<sup>1</sup> Code 08= D. Between 10/04 and 3/05 either this control panel or the original MicroTech II control panel (Code 08= P) could be installed. Check the GO or visually inspect the unit to verify which panel is installed. For units built between 10/06 & 12/06 contact Daikin Applied.





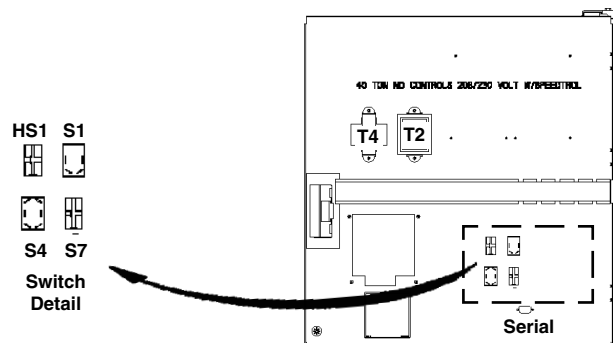
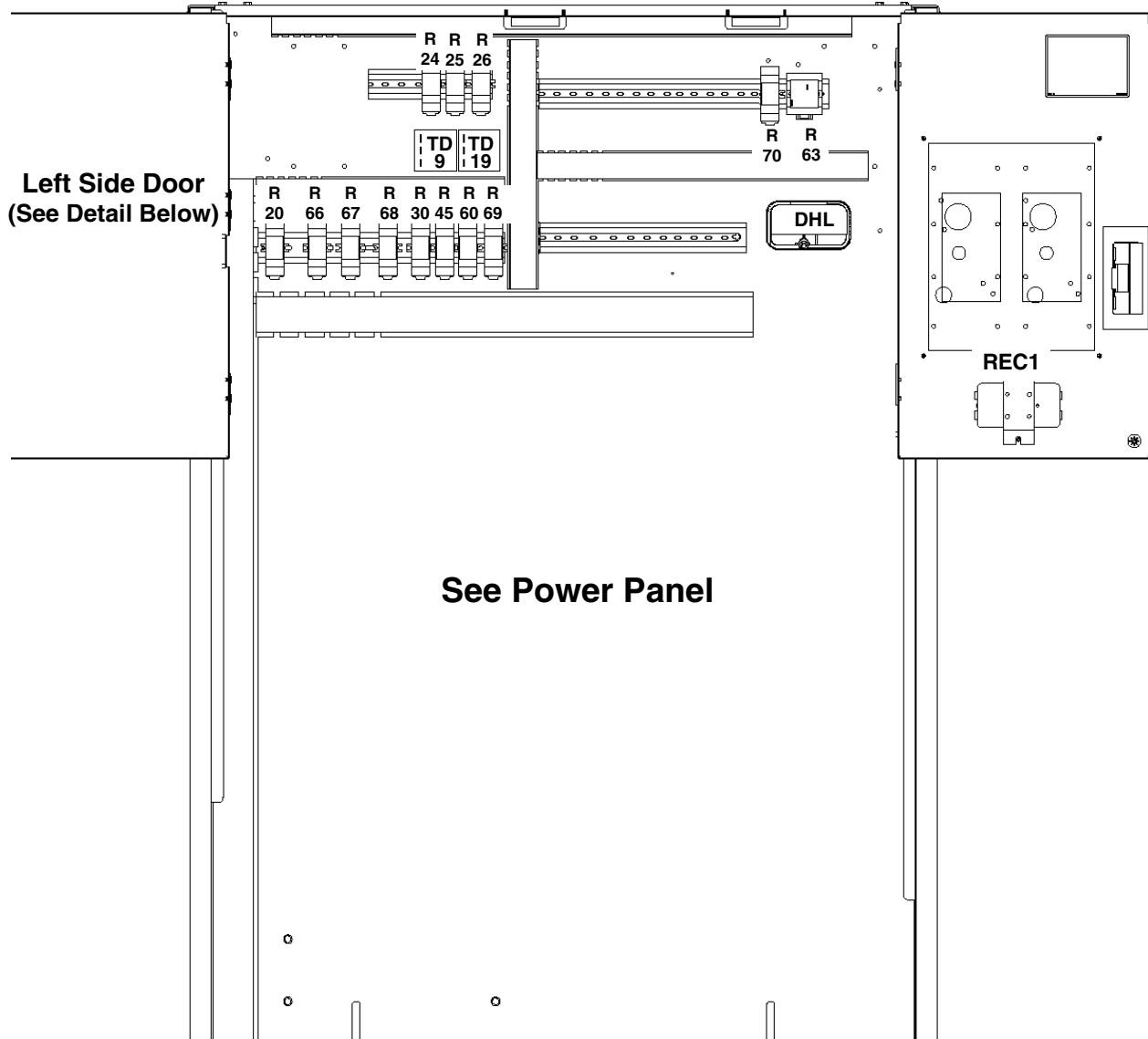
# Section N- Main Control Box

## Control Panel

### Units with No Controller (Code 12= YM, YC)- 3/05 & Later <sup>1</sup>

#### Diagrams

<sup>1</sup> Code 08= D. Between 10/04 and 3/05 either this control panel or the original MicroTech II control panel (Code 08= P) could be installed. Check the GO or visually inspect the unit to verify which panel is installed. For units built between 10/06 & 12/06 contact Daikin Applied.



**Left Side Door Detail**

# Section N- Main Control Box

## Control Panel

**Microtech II Units with Controller (Code 12= \*D, \*S)- 3/05 & Later OR  
Units with No Controller (Code 12= YM, YC)- 3/05 & Later <sup>1</sup>**

## Components

<sup>1</sup> Code 08= D. Between 10/04 and 3/05 either this control panel or the original MicroTech II control panel (Code 08= P) could be installed. Check the GO or visually inspect the unit to verify which panel is installed. For units built between 10/06 & 12/06 contact Daikin Applied.

Sch. Sym.	Part Description	Part Number	Qty.
	<b>Main Controller</b>		
MCB	Main Controller- Must be programmed (unit GO# required)	060006101	1
	Com Card- BACnet (Code 12= B*)	060006202	1
	Com Card- BACnet with Ethernet (Code 12= E*)	060006201	1
	Com Card- LonMark with Space, Zone Control (Code 12= LS)	060006203	1
	Com Card- LonMark with DA Control (Code 12= LD)	060006204	1
	Standoff- Com Card	048166706	4
	Kit- Connector Repair	300036605	1
	Power Supply- 5 VDC (Code 12= *D, *S)	111049610	
	Serial Port Ribbon Cable	111047201	1
	Battery	049754501	1
	Grounding Bar	349936901	1
	<b>Keypad</b>		
Keypad	Keypad	060006301	1
	Remote Keypad Interface Board	112021601	1
	Cable- Interface	111044601	1
	<b>Condenser Controller</b>		
GCB1	Expansion Board- Condenser	112026101	1
	Standoff- Expansion Board	048166705	7
	Comm. Card- BACnet	060006202	1
	Standoff- Comm. Card	048166707	4
RES	Resistor- GCB1	060003901	1
	<b>Electric Heat Board</b>		
EHB1	Expansion Board- Electric Heat	112026101	1
	Standoff- Expansion Board	048166705	7
	Comm. Card- BACnet	060006202	1
	Standoff- Comm. Card	048166707	4
	<b>Energy Recovery Board</b>		
ERB1	Expansion Board- Energy Recovery	112026101	1
	Standoff- Expansion Board	048166705	7
	Comm. Card- BACnet	060006202	1
	Standoff- Comm. Card	048166707	4
	<b>Switches- Control</b>		
HS1	Switch- Electric Heat Shutdown (Code 04= E)	001355000	1
S1	Switch- System On/Off		
	Gas Heat Units (Code 04= A)	018446400	1
	Elec., Steam, HW, No Heat (Code 04= E, S, W, Y)	001355000	1
S4	Switch- Inverter Bypass On/Off	028798400	1
S7	Switch- Local ON/Auto/Off to Controller	349931201	1
	<b>Serial Cables</b>		
Serial	Serial Cable	111047201	1
	<b>Receptacle</b>		
REC1	Receptacle	039003600	1

## Section N- Main Control Box

### Control Panel

#### Microtech II Units with Controller (Code 12= \*D, \*S)- 3/05 & Later OR Units with No Controller (Code 12= YM, YC)- 3/05 & Later <sup>3</sup> Components, Continued

<sup>3</sup> Code 08= D. Between 10/04 and 3/05 either this control panel or the original MicroTech II control panel (Code 08= P) could be installed. Check the GO or visually inspect the unit to verify which panel is installed. For units built between 10/06 & 12/06 contact Daikin Applied.

Sch. Sym.	Part Description	Part Number	Qty.
	<b>Relays</b> <span style="float: right;">Until 10/06<sup>1</sup></span>		
R20	Relay- Steam, Hot Water Heat (Code 04= S, W)		
	Units with Controller (Code 12= *D, *S)	349934901	1
	Units with No Controller (Code 12= YM)	349934704	1
	Relay- Electric Heat (Code 04= E)	349934701	1
	Relay- Gas Heat <sup>2</sup> (Code 04= A)		
	Units with Controller (Code 12= *D, *S)		
	Hi Turn Down Burner (Code 34 [5th digit]= H, T, U)	016508002	1
	Modulating Burner (Code 34 [5th digit]= E, R, S)	026213000	1
	Units w/No Controller & Gas Actuator (Code 12= YC)		
	Hi Turn Down Burner (Code 34 [5th digit]= H, T, U)	073340001	1
	Modulating Burner (Code 34 [5th digit]= E, R, S)	027400700	1
	Units w/No Controller & Float Control (Code 12= YM)		
	Hi Turn Down Burner (Code 34 [5th digit]= H, T, U)	019643000	1
	Modulating Burner (Code 34 [5th digit]= E, R, S)	027400700	1
R24	Relay- Gas Heat Alarm (Code 04= A)	349934704	1
R25	Relay- Gas Heat, Start Supply Fan Inverter (Code 14= 1- 3, 5- 7)	349934704	1
R26	Relay- Iso Damper- Open/Close	349934901	1
R30	Relay- Cool Valve w/ Face Bypass	349934704	1
R45	Relay- UV Lights	349934701	1
R46	Relay- Inverter, Supply Fan increase/decrease (Code 14= 1- 3, 5- 7)	112033501	1
R48	Relay- Inverter, Return Fan increase/decrease (Code 14= 2, 4, 5, 7- 9)	112033501	1
R58	Relay- Heat Wheel increase/decrease (Code 24= F)	112033501	1
R60	Relay- Heat Wheel Enable	349934704	1
R63	Relay- Specials	349934901	1
R66	Relay- Return Air Smoke Detector (Code 16= 1, 3)	349934701	1
R67	Relay- Supply Fan Enable		
	No Controller (Code 12= YM, YC)	349934704	1
	With Controller (Code 12= *D, *S)	349934701	1
R68	Relay- Return Fan Enable		
	No Controller (Code 12= YM, YC)	349934704	1
	With Controller (Code 12= *D, *S)	349934701	1
R69	Relay- Inverter Bypass VAV Interlock (Code 14= 1- 9)	349934704	1
R70	Relay- Specials	349934701	1

<sup>1</sup> For units built 10/06 & 12/06 Contact Daikin McQuay Parts.

<sup>2</sup> All R20 options are detailed here but for units with gas heat, the R20 is located in the gas heat control box (see section G).

## Section N- Main Control Box Control Panel

### Microtech II Units with Controller (Code 12= \*D, \*S)- 3/05 & Later OR Units with No Controller (Code 12= YM, YC)- 3/05 & Later <sup>3</sup> Components, Continued

<sup>3</sup> Code 08= D. Between 10/04 and 3/05 either this control panel or the original MicroTech II control panel (Code 08= P) could be installed. Check the GO or visually inspect the unit to verify which panel is installed. For units built between 10/06 & 12/06 contact Daikin Applied.

Sch. SYM).	Part Description	Part Number	Qty.
	<b>Relays</b> <span style="float: right;">1/07 &amp; later <sup>1</sup></span>		
R20	Relay- Steam or Hot Water Heat (Code 04= S, W)		
	Units with Controller (Code 12= *D, *S)	349934921	1
	Units with No Controller (Code 12= YM)	349934724	1
	Relay- Electric Heat (Code 04= E)	349934722	1
	Relay- Gas Heat <sup>2</sup> (Code 04= A)		
	Units with Controller (Code 12= *D, *S)		
	Hi Turn Down Burner (Code 34 [5th digit]= H, T, U)	016508002	1
	Modulating Burner (Code 34 [5th digit]= E, R, S)	026213000	1
	Units w/No Controller & Gas Actuator (Code 12= YC)		
	Hi Turn Down Burner (Code 34 [5th digit]= H, T, U)	073340001	1
	Modulating Burner (Code 34 [5th digit]= E, R, S)	027400700	1
	Units w/No Controller & Float Control (Code 12= YM)		
	Hi Turn Down Burner (Code 34 [5th digit]= H, T, U)	019643000	1
	Modulating Burner (Code 34 [5th digit]= E, R, S)	027400700	1
R24	Relay- Gas Heat Alarm (Code 04= A)	349934724	1
R25	Relay- Gas Heat, Start Supply Fan Inverter (Code 14= 1, 2,3,5,6,7)	349934724	1
R26	Relay- Iso Damper- Open/Close	349934921	1
R30	Relay- Cool Valve w/ Face Bypass	349934724	1
R45	Relay- UV Lights	349934722	1
R46	Relay- Inverter, Supply Fan increase/decrease (Code 14= 1-3, 5-7)	112033501	1
R48	Relay- Inverter, Return Fan increase/decrease (C14= 2, 4, 5, 7- 9)	112033501	1
R58	Relay- Heat Wheel increase/decrease (Code 24= F)	112033501	1
R60	Relay- Heat Wheel Enable	349934724	1
R63	Relay- Specials	349934921	1
R66	Relay- Return Air Smoke Detector (Code 16= 1, 3)	349934722	1
R67	Relay- Supply Fan Enable		
	No Controller w/o Inverter or w/Inverter/no Bypass (C12= YM, YC)	349934724	1
	No Controller w/ Inverter and Bypass (Code 12= YM, YC)	349934722	1
	With Controller (Code 12= *D, *S)	349934722	1
R68	Relay- Return Fan Enable		
	No Controller (Code 12= YM), YC)	349934724	1
	With Controller (Code 12= *D, *S)	349934722	1
R69	Relay- Inverter Bypass VAV Interlock (Code 14= 1- 9)	349934724	1
R70	Relay- Specials	349934722	1

<sup>1</sup> For units built 10/06 & 12/06 Contact Daikin McQuay Parts.

<sup>2</sup> All R20 options are detailed here but for units with gas heat, the R20 is located in the gas heat control box (see section G).

## Section N- Main Control Box

### Control Panel

#### Microtech II Units with Controller (Code 12= \*D, \*S)- 3/05 & Later OR Units with No Controller (Code 12= YM, YC)- 3/05 & Later <sup>3</sup> Components, Continued

<sup>3</sup> Code 08= D. Between 10/04 and 3/05 either this control panel or the original MicroTech II control panel (Code 08= P) could be installed. Check the GO or visually inspect the unit to verify which panel is installed. For units built between 10/06 & 12/06 contact Daikin Applied.

Sch. Sym.	Part Description	Part Number	Qty.
	<b>Time Delays</b>		
TD9	Time Delay- SA Fan PW (Special) 1 Sec.	028210101	1
TD19	Time Delay- RA Fan PW (Special) 1 Sec.	028210101	1
	<b>Duct Hi Limit and Duct Static Pressure Sensors</b>		
DHL	Duct Hi Limit Switch	065493801	1
SPS1	Pressure Transducer- Duct Sensor (Code 13= 1, 2, 3)	049545007	1
SPS2	Pressure Transducer- Duct Sensor (Code 13= 2)	049545007	1
	Pressure Transducer- Space Sensor (Code 13= 3, 4)	049545006	1
	<b>Transformers- Controls</b>		
T2	Transformer- Control Input 115- 24V		
	With Controller (Code 12= *D, *S)	349937303	1
	No Controller (Code 12= YM, YC)	349937201	1
T3	Transformer- Control Output 115- 24V	349937303	1
T4	Transformer- Exhaust Damper Actuator 115- 12VDC	349931801	1
	<b>Sensors <sup>1</sup></b>		
ZNT1	Sensor- Zone Temperature w/ Tenant Override <sup>2</sup>	111048101	1
	Sensor- Zone Temp. w/ Tenant Override & Remote Setpoint Adj. <sup>1, 2</sup>	111048102	1
DAT	Sensor- Discharge Air Temperature <sup>2</sup>	060004705	1
EFT	Sensor- Entering Air Temperature <sup>2</sup>	060004705	1
OAT	Sensor- Outside Air Temperature <sup>2</sup>	060004705	1
RAT	Sensor- Return Air Temperature <sup>2</sup>	060004705	1
EAT	Sensor- Exhaust Air Temperature <sup>2</sup>	060004705	1
LAT	Sensor- Leaving Air Temperature <sup>2</sup>	060004705	1

<sup>2</sup> SCC Units only- Code 12= BS, LS, ES, SS.

<sup>3</sup> Not Shown on diagram.

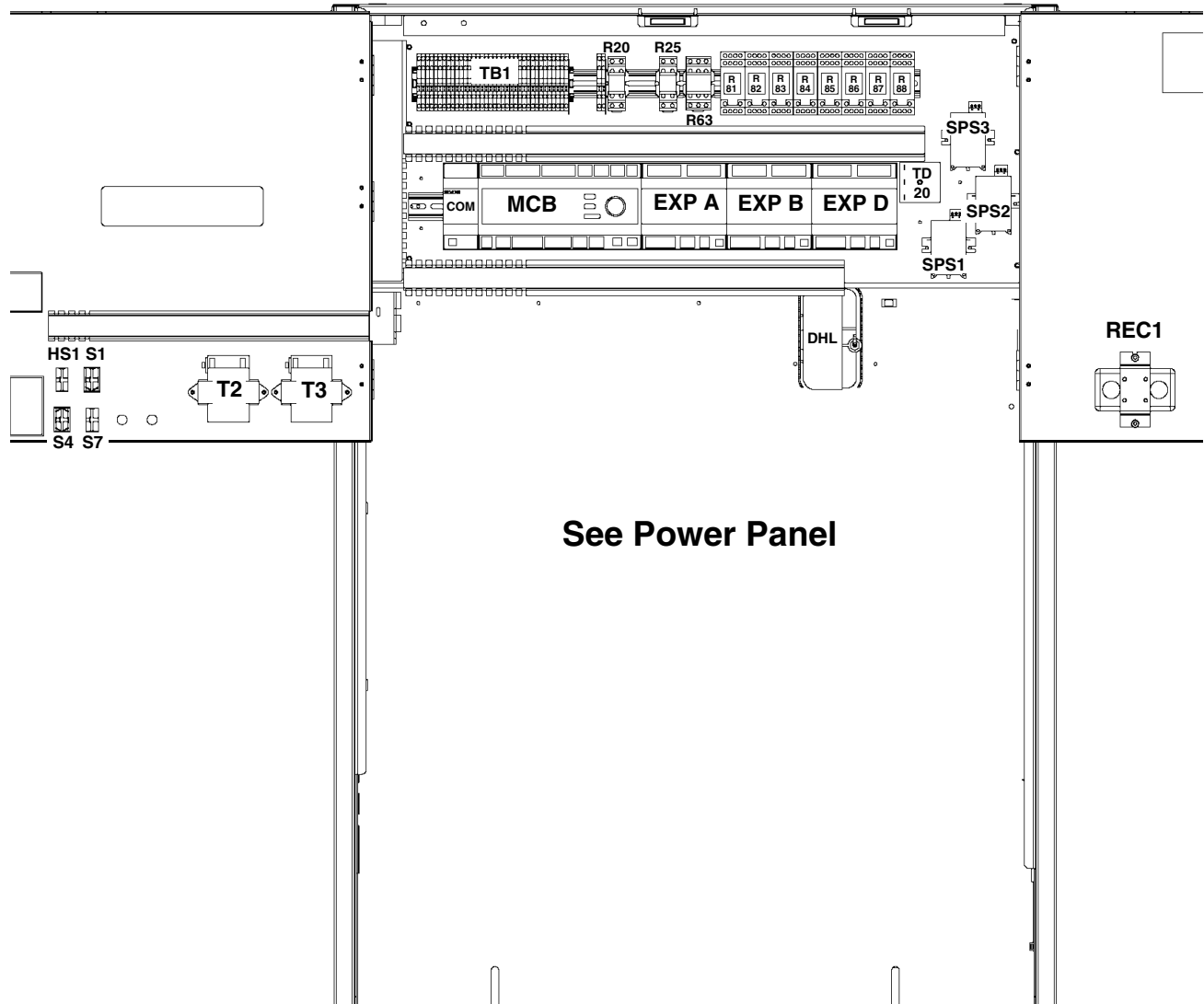
# Section N- Main Control Box

## Control Panel

### MicroTech III Units with Controller (Code 12= \*E, \*F, \*W)- 9/08 thru 3/13 <sup>1</sup>

#### Diagram

<sup>1</sup> This diagram shows MicroTech III equipped units only. Components for units with No controls (Code 12= YC, YM) are listed in the Microtech II Units with Controller (Code 12= \*D, \*S)- 3/05 & Later OR Units with No Controller (Code 12= YM, YC)- 3/05 & Later section.



See Power Panel

## Section N- Main Control Box Control Panel

### MicroTech III Units with Controller (Code 12= \*E, \*F, \*W)- 9/08 thru 3/13 Components

Sch. Sym.	Part Description	Part Number	Qty.
	<b>Main Controller</b>		
MCB	Main Controller- Must be programmed (unit GO# required)	193407301	1
	Connector- Extension I/O Direct Connect	193409701	<sup>3</sup>
	Terminal Block, MCB- 2 Pole	193410302	1
	Terminal Block, MCB- 3 Pole	193410303	6
	Terminal Block, MCB- 5 Pole	193410305	1
	Terminal Block, MCB- 6 Pole	193410306	1
	Terminal Block, MCB- 7 Pole	193410307	1
	Terminal Block, MCB- 8 Pole	193410308	2
	<b>Expansion Module</b>		
EXP A	Expansion Module- Energy Recovery	193407501	1
EXP B	Expansion Module- Heat	193407501	1
EXP D	Expansion Module- Specials	193407501	1
	Terminal Block, EXP- 2 Pole	193410302	1/board
	Terminal Block, EXP- 3 Pole	193410303	1/board
	Terminal Block, EXP- 7 Pole	193410307	1/board
	Terminal Block, EXP- 8 Pole	193410308	2/board
	<b>Communication Card</b>		
COM	BACnet- MSTP (Code 12= BE, BF, BW)	090016710	1
	BACnet- IP (Code 12= EE, EF, EW)	090016709	1
	LonWorks- Discharge (Code 12= LE, LW)	090016712	1
	LonWorks- Constant Volume (Code 12= LF)	090016711	1
	<b>Resistors <sup>1</sup></b>		
RES3	Resistor- Freezestat (FS1) 1000 OHM	044690110	1
RES4	Resistor- OAE 1500 OHM	044690151	1
RES6,7,8	Resistor- SPS1, SPS2, SPS3 500 OHM	044690146	1/switch
	<b>Switches- Control</b>		
HS1	Switch- Electric Heat Shutdown (Code 04= E)	001355000	1
S1	Switch- System On/Off		
	Gas Heat Units with no UV Lights DPST/15A	018446400	1
	Gas Heat Units with UV Lights 4PST/30A	033536700	1
	Electric, Steam, HW, No Heat with no UV Lights SPST/20A	001355000	1
	Electric, Steam, HW, No Heat with UV Lights DPST/15A	018446400	1
S4	Switch- Inverter Bypass On/Off DPST/15A	018446400	1
S7	Switch- Local ON/Auto/Off to Controller SPDT/15A	193412101	1
	<b>Transformers</b>		
T2	Transformer- Control 120- 24V	349937303	1
T3	Transformer- Control 120- 24V	349937303	1
	<b>Receptacle</b>		
REC1	Receptacle	039003600	1
	<b>Time Delays</b>		
TD20	Time Delay 20 Second	028210106	1
	<b>Terminal Block</b>		
TB1	Terminal Block	349930641	<sup>2</sup>

<sup>1</sup> Not Shown on diagram.

<sup>2</sup> Varies depending upon unit options. Part number is for one individual section. Ground Block is p/n 349930647.

<sup>3</sup> Varies depending upon unit options.

## Section N- Main Control Box

### Control Panel

#### MicroTech III Units with Controller (Code 12= \*E, \*F, \*W)- 9/08 thru 3/13 Components, Continued

Sch. Sym.	Part Description	Part Number	Qty.
	<b>Duct Hi Limit and Duct Static Pressure Sensors</b>		
DHL	Duct Hi Limit Switch	065493801	1
SPS1, 2	Pressure Transducer Kit- Duct Sensor (9/11 & Earlier) <sup>2, 3</sup>	910124528	1
	Pressure Transducer- Duct Sensor (10/11 thru 8/12) <sup>2</sup>	910117462	1
	Pressure Transducer- Duct Sensor (9/12 & Later) <sup>2</sup>	193552102	1
	Pressure Transducer Kit- Space Sensor (9/11 & Earlier) <sup>2, 3</sup>	910124529	1
	Pressure Transducer- Space Sensor (10/11 thru 8/12) <sup>2</sup>	910117463	1
	Pressure Transducer- Space Sensor (9/12 & Later) <sup>2</sup>	193552101	1
	<b>Relays</b>		
R20	Relay- Heat	349934724	1
R25	Relay- Gas Heat, Start Supply Fan Inverter (Code 14= 1,2,3,5,6,7)	349934724	1
R63	Relay- Duct Hi Limit		
	Units with Return Fan Inverter 3PDT/120V	349934923	1
	Units with No Return Fan Inverter DPDT/120V	349934724	1
R81	Relay- Smoke 4P/6A/24V	193413601	1
R82	Relay- Smoke 4P/6A/24V	193413601	1
R83	Relay- Smoke 4P/6A/24V	193413601	1
R84	Relay- Smoke 4P/6A/24V	193413601	1
R85	Relay- Smoke 4P/6A/24V	193413601	1
R86	Relay- Smoke 4P/6A/24V	193413601	1
R87	Relay- Smoke 4P/6A/24V	193413601	1
R88	Relay- Smoke 4P/6A/24V	193413601	1
	<b>Sensors</b>		
ZNT1	Sensor- Zone Temperature w/ Tenant Override <sup>5</sup>	113117701	1
	Sensor- Zone Temp. w/ Tenant Override & Remote Setpoint Adj. <sup>4, 5</sup>	113117801	1
DAT	Sensor- Discharge Air Temperature <sup>5</sup>	193414602	1
EFT	Sensor- Entering Air Temperature <sup>5</sup>	193414602	1
OAT	Sensor- Outside Air Temperature <sup>5</sup>	193414602	1
RAT	Sensor- Return Air Temperature <sup>5</sup>	193414602	1
EAT	Sensor- Exhaust Air Temperature <sup>5</sup>	193414602	1
LAT	Sensor- Leaving Air Temperature <sup>5</sup>	193414602	1

<sup>1</sup> Quantity varies depending upon unit options selected.

<sup>2</sup> SPS1 Duct Sensor Code 13= 1, 2, 3. SPS2 Duct Sensor Code 13= 2. SPS2 Space Sensor Code 13= 3, 4.

<sup>3</sup> As of 09/11 the original Pressure Transducer is no longer available. The Transducer Kit includes Transducer, Dinrail, Resistor, Sampling Tube, and installation Instructions.

<sup>4</sup> SCC Units only- Code 12= \*F.

<sup>5</sup> Not Shown on diagram.



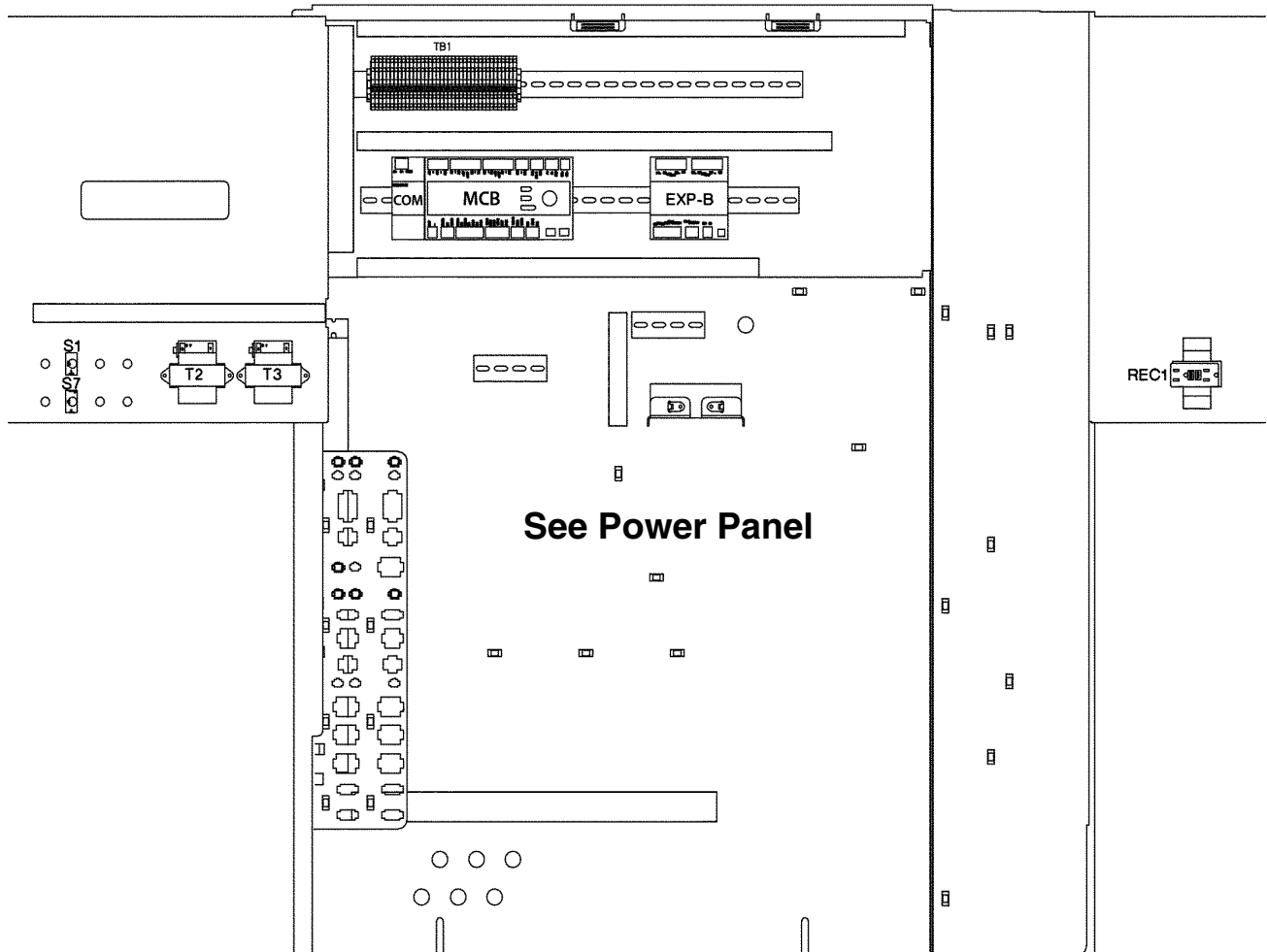
# Section N- Main Control Box

## Control Panel

### MicroTech III Units with Controller (Code 12= \*E, \*F, \*W)- 6/13 & Later <sup>1</sup>

#### Diagram

<sup>1</sup> This diagram shows MicroTech III equipped units only. Components for units with No controls (Code 12= YC, YM) are listed in the Units with No Controller (Code 12= YM, YC)- 3/05 & Later section. For units built 3/13- 05/13 Contact Daikin Applied.



## Section N- Main Control Box Control Panel

### MicroTech III Units with Controller (Code 12= \*E, \*F, \*W)- 6/13 & Later <sup>1</sup> Components

<sup>1</sup> For units built 3/13- 05/13 Contact Daikin Applied.

Sch. Sym.	Part Description	Part Number	Qty.
	<b>Main Controller</b>		
MCB	Main Controller- Must be programmed (unit GO# required)	193407301	1
	Terminal Block, MCB- 2 Pole	193410302	1
	Terminal Block, MCB- 3 Pole	193410303	6
	Terminal Block, MCB- 5 Pole	193410305	1
	Terminal Block, MCB- 6 Pole	193410306	1
	Terminal Block, MCB- 7 Pole	193410307	1
	Terminal Block, MCB- 8 Pole	193410308	2
	<b>Expansion Module</b>		
EXP A	Expansion Module- Energy Recovery <sup>2</sup>	193407501	1
EXP B	Expansion Module- Heat	193407501	1
EXP D	Expansion Module- Specials <sup>2</sup>	193407501	1
	Terminal Block, EXP- 2 Pole	193410302	1/board
	Terminal Block, EXP- 3 Pole	193410303	1/board
	Terminal Block, EXP- 7 Pole	193410307	1/board
	Terminal Block, EXP- 8 Pole	193410308	2/board
	<b>Communication Card</b>		
COM	BACnet- MSTP (Code 12= BE, BF, BW)	090016710	1
	BACnet- IP (Code 12= EE, EF, EW)	090016709	1
	LonWorks- Discharge (Code 12= LE, LW)	090016712	1
	LonWorks- Constant Volume (Code 12= LF)	090016711	1
	<b>Resistors <sup>2</sup></b>		
RES3	Resistor- Freezestat (FS1) 1000 OHM	044690110	1
RES4	Resistor- OAE 1500 OHM	044690151	1
RES6,7,8	Resistor- SPS1, SPS2, SPS3 500 OHM	044690146	1/switch
	<b>Switches- Control</b>		
HS1	Switch- Electric Heat Shutdown (Code 04= E) <sup>2</sup>	001355000	1
S1	Switch- System On/Off		
	Gas Heat Units with no UV Lights DPST/15A	018446400	1
	Gas Heat Units with UV Lights 4PST/30A	033536700	1
	Electric, Steam, HW, No Heat with no UV Lights SPST/20A	001355000	1
	Electric, Steam, HW, No Heat with UV Lights DPST/15A	018446400	1
S4	Switch- Inverter Bypass On/Off <sup>2</sup> DPST/15A	018446400	1
S7	Switch- Local ON/Auto/Off to Controller SPDT/15A	193412101	1
	<b>Transformers</b>		
T2	Transformer- Control 120- 24V	349937303	1
T3	Transformer- Control 120- 24V	349937303	1
	<b>Receptacle</b>		
REC1	Receptacle	039003600	1
	<b>Time Delays</b>		
TD20	Time Delay <sup>2</sup> 20 Second	028210106	1
	<b>Terminal Block</b>		
TB1	Terminal Block	349930641	<sup>3</sup>

<sup>2</sup> Not Shown on diagram.

<sup>3</sup> Varies depending upon unit options. Part number is for one individual section. Ground Block is p/n 349930647.

## Section N- Main Control Box Control Panel

### MicroTech III Units with Controller (Code 12= \*E, \*F, \*W)- 6/13 & Later <sup>1</sup> Components, Continued

<sup>1</sup> For units built 3/13- 05/13 Contact Daikin Applied.

Sch. Sym.	Part Description	Part Number	Qty.
	<b>Duct Hi Limit and Duct Static Pressure Sensors <sup>5</sup></b>		
DHL	Duct Hi Limit Switch	065493801	1
SPS1, 2	Pressure Transducer- Duct Sensor <sup>3</sup>	193552102	<sup>2</sup>
	Pressure Transducer- Space Sensor <sup>3</sup>	193552101	<sup>2</sup>
	<b>Relays <sup>5</sup></b>		
R20	Relay- Heat	349934724	1
R25	Relay- Gas Heat, Start Supply Fan Inverter (Code 14= 1,2,3,5,6,7)	349934724	1
R63	Relay- Duct Hi Limit		
	Units with Return Fan Inverter 3PDT/120V	349934923	1
	Units with No Return Fan Inverter DPDT/120V	349934724	1
R81	Relay- Smoke 4P/6A/24V	193413601	1
R82	Relay- Smoke 4P/6A/24V	193413601	1
R83	Relay- Smoke 4P/6A/24V	193413601	1
R84	Relay- Smoke 4P/6A/24V	193413601	1
R85	Relay- Smoke 4P/6A/24V	193413601	1
R86	Relay- Smoke 4P/6A/24V	193413601	1
R87	Relay- Smoke 4P/6A/24V	193413601	1
R88	Relay- Smoke 4P/6A/24V	193413601	1
	<b>Sensors <sup>4, 5</sup></b>		
ZNT1	Sensor, Digital- Zone Temp. w/ Tennant O/R & Setpoint Adj. <sup>6</sup>	910143408	1
	Sensor- Zone Temperature w/ Tenant Override <sup>6</sup>	113117701	1
	Sensor- Zone Temp. w/ Tenant Override & Remote Setpoint <sup>4, 6</sup>	113117801	1
DAT	Sensor- Discharge Air Temperature	193414602	1
EFT	Sensor- Entering Air Temperature	193414602	1
OAT	Sensor- Outside Air Temperature	193414602	1
RAT	Sensor- Return Air Temperature	193414602	1
EAT	Sensor- Exhaust Air Temperature	193414602	1
LAT	Sensor- Leaving Air Temperature	193414602	1

<sup>2</sup> Quantity varies depending upon unit options selected.

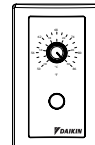
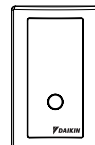
<sup>3</sup> SPS1 Duct Sensor Code 13= 1, 2, 3. SPS2 Duct Sensor Code 13= 2. SPS2 Space Sensor Code 13= 3, 4.

<sup>4</sup> SCC Units only- Code 12= \*F.

<sup>5</sup> Not Shown on diagram.

<sup>6</sup> In late 2013, Digital Room Sensor p/n 910143408 was added as the preferred option. The other Zone Temperature Sensors are still available as options. For positive p/n identification, refer to the drawings below.

**ZNT1 Sensor    ZNT1 Sensor    ZNT1 Sensor**  
**910143408    113117701    113117801**

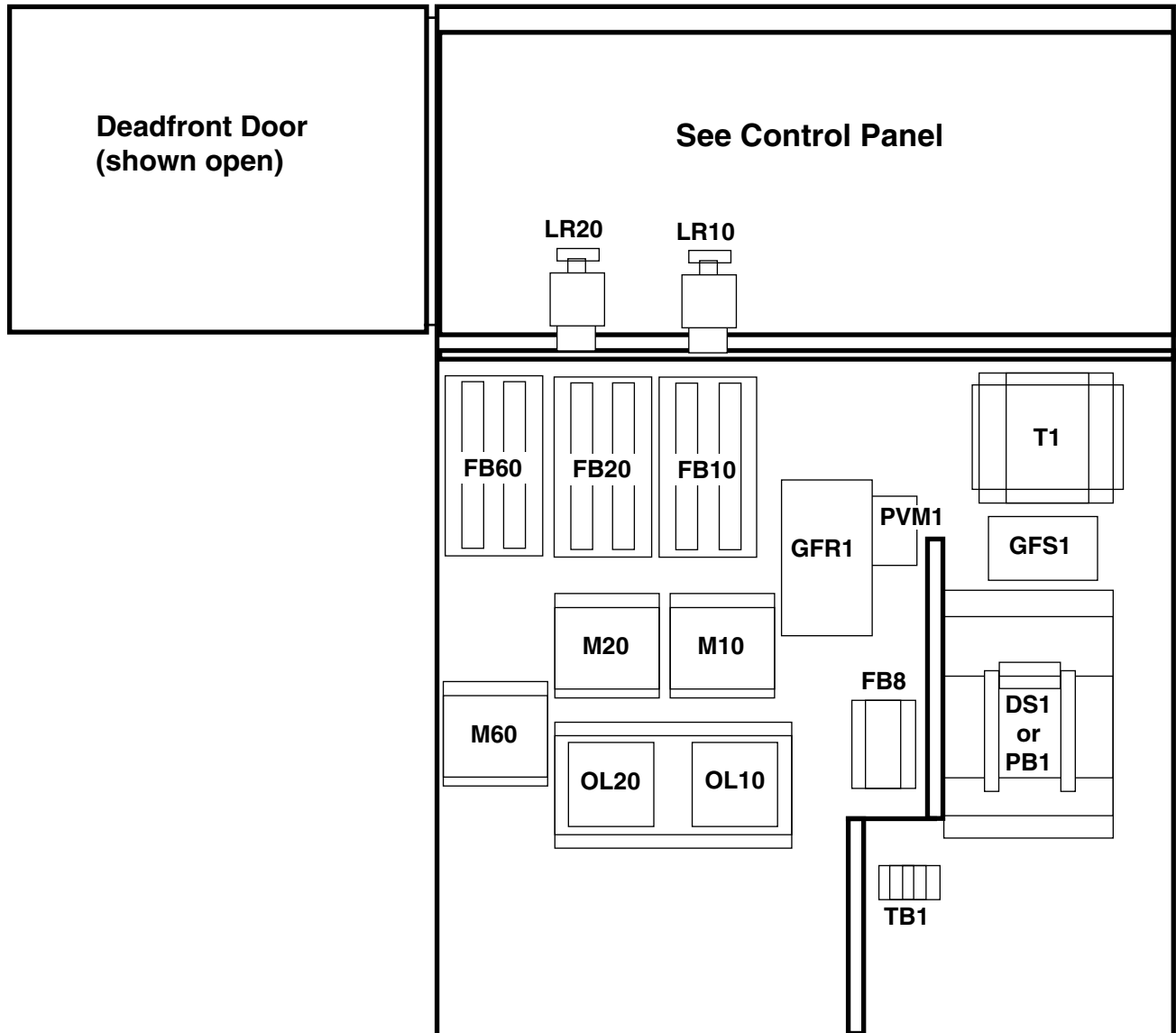


# Section N- Main Control Box

## Power Panel Until 3/05 <sup>1</sup>

### Diagram

<sup>1</sup> Code 08= P. Between 10/04 and 3/05 either this Power Panel OR the redesigned MicroTech II Power Panel (Code 08= D) could be installed. Check the GO or visually inspect the unit to verify which panel is installed.



## Section N- Main Control Box

### Power Panel Until 3/05 <sup>1</sup> Common Components

<sup>1</sup> Code 08= P. Between 10/04 and 3/05 either this Power Panel OR the redesigned MicroTech II Power Panel (Code 08= D) could be installed. Check the GO or visually inspect the unit to verify which panel is installed.

#### Power Panel- TB1 Terminal Block, T1 Transformer and Fusing, Power Block Connection

Sch. Sym.	Part Description	Part Number	Voltage				
			208V	230V	380V	460V	575V
	<b>Terminal Block</b>						
TB1	Terminal Block- 3P	022431203	1	1	1	1	1
	<b>Transformer- Main</b>						
T1	Transformer- Power						
	Electric Heat (Code 04= E)	038253915	1		1		
	Electric Heat (Code 04= E)	038253906		1		1	
	Electric Heat (Code 04= E)	038253929					1
	Gas Heat (Code 04= A)	038253916	1		1		
	Gas Heat (Code 04= A)	038253907		1		1	
	Gas Heat (Code 04= A)	038253930					1
	Hydronic (C04= W, S) OR No Heat (C04= Y)						
	CAV OR Zone Ctl. (Code 12= 1M, 5M, *S)	038253914	1		1		
	CAV OR Zone Ctl. (Code 12= 1M, 5M, *S)	038253905		1		1	
	CAV OR Zone Ctl. (Code 12= 1M, 5M, *S)	038253936					1
	VAV OR DA Ctl. (Code 12= 2M, 4M, *D)	038253915	1		1		
	VAV OR DA Ctl. (Code 12= 2M, 4M, *D)	038253906		1		1	
	VAV OR DA Ctl. (Code 12= 2M, 4M, *D)	038253929					1
	<b>Fuse Block, Fuses for Main Transformer</b>						
FB8	Fuse Block- T1 Transformer	023780202	1	1			
	Fuse Block- T1 Transformer	023780203			1	1	1
F8	Fuse- T1 Transformer						
	Electric Heat (Code 04= E)	025860533	2				
	Electric Heat (Code 04= E)	025860503		2			
	Electric Heat (Code 04= E)	025860436			2		
	Electric Heat (Code 04= E)	025860435				2	
	Electric Heat (Code 04= E)	025860433					2
	Gas Heat (Code 04= A)	025860534	2				
	Gas Heat (Code 04= A)	025860504		2			
	Gas Heat (Code 04= A)	025860404			2		
	Gas Heat (Code 04= A)	025860433				2	2
	Hydronic (C04= W, S) OR No Heat (C04= Y)						
	CAV OR Zone Ctl. (Code 12= 1M, 5M, *S)	025860535	2				
	CAV OR Zone Ctl. (Code 12= 1M, 5M, *S)	025860502		2			
	CAV OR Zone Ctl. (Code 12= 1M, 5M, *S)	025860433			2		
	CAV OR Zone Ctl. (Code 12= 1M, 5M, *S)	025860403				2	
	CAV OR Zone Ctl. (Code 12= 1M, 5M, *S)	025860435					2
	VAV OR DA Ctl. (Code 12= 2M, 4M, *D)	025860533	2				
	VAV OR DA Ctl. (Code 12= 2M, 4M, *D)	025860503		2			
	VAV OR DA Ctl. (Code 12= 2M, 4M, *D)	025860436			2		
	VAV OR DA Ctl. (Code 12= 2M, 4M, *D)	025860435				2	
	VAV OR DA Ctl. (Code 12= 2M, 4M, *D)	025860433					2
	<b>Power Block (Code 11= P1)</b>						
PB1	Power Block- 6 outlet holes/1inlet hole 95A	030372707	2	2	2	2	2
	Power Block- 6 outlet holes/1inlet hole 175A	030372705	2	2	2	2	2
	Power Block- 6 outlet holes/1inlet hole 335A	030372717	2	2	2	2	2
	Power Block- 6 outlet holes/1inlet 350/380A	030372718	2	2	2	2	2
	Power Block- 8 outlet holes/1inlet hole 335A	030372706	2	2	2	2	2
	Power Block- 12 outlet holes/1inlet 350/380A	030372720	2	2	2	2	2

<sup>2</sup> The Power Block used on a given unit is contingent upon the unit voltage, the Motor(s) horsepower, and other options. Check the part in the unit to size up the replacement, or contact Daikin Applied with the unit model and serial number information to ensure that the correct part is identified.

## Section N- Main Control Box

### Power Panel Until 3/05 <sup>2</sup>

### Common Components, Continued

<sup>2</sup> Code 08= P. Between 10/04 and 3/05 either this Power Panel OR the redesigned MicroTech II Power Panel (Code 08= D) could be installed. Check the GO or visually inspect the unit to verify which panel is installed.

#### Power Panel- Disconnect, Ground Fault Protection, Phase Voltage Monitor, Heat Wheel Fusing and Contactors

Sch. Sym.	Part Description	Part Number	Voltage			
			208V	230V	460V	575V
	<b>Power Block (Code 11= P1)</b>					
PB1	Power Block- 6 outlet holes/2inlet holes 760A	030372721	1	1	1	1
	Power Block- 12 outlet holes/1inlet hole 760A	030372728	1	1	1	1
	<b>Disconnect Switch (Code 11= A2)</b>					
DS1	Disconnect Switch 60A	031446200	1	1	1	1
	Handle Mechanism- 60A Switch	031322400				
	Disconnect Switch 100A	025860602	1	1	1	1
	Handle Mechanism- 100A Switch	025862400				
	Disconnect Switch 250A	047442104	1	1	1	1
	Handle Mechanism- 250A Switch	039903100				
	Disconnect Switch 400A	047442111	1	1	1	1
	Handle Mechanism- 400A Switch	025862500				
	Disconnect Switch 600A	027070601	1	1	1	1
	Handle Mechanism- 600A Switch	028399200				
	Disconnect Switch 800A	031019401	1	1	1	1
	Handle Mechanism- 800A Switch	031011600				
	Disconnect Switch 1000A	031019501	1	1	1	1
	Handle Mechanism- 1000A Switch	031011700				
	<b>Ground Fault Relay and Sensor</b>					
GFR1	Relay- Ground Fault	065813401	1	1	1	1
GFS1	Sensor- Ground Fault	065813402	1	1	1	1
	<b>Phase Voltage Monitor</b>					
PVM1	Phase Voltage Monitor	098860401	1	1	1	
	Phase Voltage Monitor	059475303				1
	<b>Contactors- Heat Wheel</b>					
M60	Contactor- Heat Wheel (Code 24= F)	057514101	1	1	1	1
	<b>Fusing- Heat Wheel Inverter</b>					
FB60	Fuse Block- Heat Wheel Motor	023780204	1	1		
	Fuse Block- Heat Wheel Motor	023780205			1	1
	Fuse- FB60	025860505	3	3		
	Fuse- FB60	025860405			3	3

<sup>1</sup> Power Blocks and Disconnect Switches used on a given unit are contingent upon the unit voltage, the Motor(s) horsepower, and other options. Check the part in the unit to size up the replacement, or contact Daikin Applied with the unit model and serial number information to ensure that the correct part(s) are identified.

# Section N- Main Control Box

Power Panel Until 3/05 <sup>2</sup>

## Fan Motor Contactors, Line Reactors, Overloads and Fusing Components

<sup>2</sup> Code 08= P. Between 10/04 and 3/05 either this Power Panel OR the redesigned MicroTech II Power Panel (Code 08= D) could be installed. Check the GO or visually inspect the unit to verify which panel is installed.

### 1 HP Motor- Code 22 OR 32= EEE, EEEY, EEEY, EEEY, EEEY, EEEY

Sch. Sym.	Part Description	Part Number	Voltage				
			208V	230V	380V	460V	575V
	<b>Contactors</b>						
M10, 20	Contactor- Supply (M10), Return (M20) Fan	027514401	1	1	1	1	1
	<b>Fuse Block and Fuses</b>						
FB10, 20	Fuse Block- Supply (FB10), Return (FB20) Fan	023780204	1	1			
	Fuse Block- Supply (FB10), Return (FB20) Fan	023780205			1	1	1
	Fuse- Supply (FB10), OR Return (FB20) Fan	025860502	3	3			
	Fuse- Supply (FB10), OR Return (FB20) Fan	025860402			3	3	3
	<b>Line Reactors- Units with inverters (C14= 1- 9, X)</b>						
LR10, 20	Line Reactor- Supply Fan (LR10) OR Return Fan (LR20)	073323515	1	1			
	Line Reactor- Supply Fan (LR10) OR Return Fan (LR20)	073323501			1	1	1
	<b>Overloads and Heaters</b>						
OL10, 20	Overload- Supply (OL10), OR Return (OL20) Fan	<sup>1</sup>					

### 1.5 HP Motor- Code 22 OR 32= FEY, FFY, FHY, FJY, FKY

Sch. Sym.	Part Description	Part Number	Voltage				
			208V	230V	380V	460V	575V
	<b>Contactors</b>						
M10, 20	Contactor- Supply (M10), Return (M20) Fan	027514401	1	1	1	1	1
	<b>Fuse Block and Fuses</b>						
FB10, 20	Fuse Block- Supply (FB10), Return (FB20) Fan	023780204	1	1			
	Fuse Block- Supply (FB10), Return (FB20) Fan	023780205			1	1	1
	Fuse- Supply (FB10), OR Return (FB20) Fan	025860533	3				
	Fuse- Supply (FB10), OR Return (FB20) Fan	025860503		3			
	Fuse- Supply (FB10), OR Return (FB20) Fan	025860435			3	3	
	Fuse- Supply (FB10), OR Return (FB20) Fan	025860402					3
	<b>Line Reactors- Units with inverters (C14= 1- 9, X)</b>						
LR10, 20	Line Reactor- Supply Fan (LR10) OR Return Fan (LR20)	073323515	1	1			
	Line Reactor- Supply Fan (LR10) OR Return Fan (LR20)	073323501			1	1	1
	<b>Overloads and Heaters</b>						
OL10, 20	Overload- Supply (OL10), OR Return (OL20) Fan	<sup>1</sup>					

**NOTE: Quantities Listed are PER motor.**

<sup>1</sup> Note that there have been two different series of Overloads and Overload Heaters used during the production run.

When replacing an Overload OR the matching Overload Heater it is VITAL to obtain vendor p/n and amperage rating from BOTH parts.

When replacing ONLY an Overload Heater, it is VERY IMPORTANT to first obtain vendor information and amperage rating from the existing Overload, Overload Heater, and Motor. It is important to obtain this information to ensure that the correct Overload Heater is selected since Overload Heaters are chosen based upon Motor amperage draw, AND Overload Heaters are NOT interchangeable between series. Also, Overload Heaters DO NOT automatically come with Overloads. OVERLOAD HEATERS MUST BE ORDERED SEPARATELY.

Once vendor and amperage information is obtained, contact Daikin Applied for p/ns.

# Section N- Main Control Box

Power Panel Until 3/05 <sup>2</sup>

## Fan Motor Contactors, Line Reactors, Overloads and Fusing Components, Continued

<sup>2</sup> Between 10/04 and 3/05 either this Power Panel (Code 08= P) OR the later Power Panel design (Code 08= D) could be installed. Check the GO or visually inspect the unit to verify which panel is installed.

### 2.0 HP Motor- Code 22 OR 32= GEY, GFY, GHY, GJY, GKY

Sch. Sym.	Part Description	Part Number	Voltage				
			208V	230V	380V	460V	575V
	<b>Contactors</b>						
M10, 20	Contactor- Supply (M10), Return (M20) Fan	027514401	1	1	1	1	1
	<b>Fuse Block and Fuses</b>						
FB10, 20	Fuse Block- Supply (FB10), Return (FB20) Fan	023780204	1	1			
	Fuse Block- Supply (FB10), Return (FB20) Fan	023780205			1	1	1
	Fuse- Supply (FB10), OR Return (FB20) Fan	025860504	3	3			
	Fuse- Supply (FB10), OR Return (FB20) Fan	025860403			3	3	3
	<b>Line Reactors- Units with inverters (C14= 1- 9, X)</b>						
LR10, 20	Line Reactor- Supply Fan (LR10) OR Return Fan (LR20)	073323516	1	1			
	Line Reactor- Supply Fan (LR10) OR Return Fan (LR20)	073323502			1	1	1
	<b>Overloads and Heaters</b>						
OL10, 20	Overload- Supply (OL10), OR Return (OL20) Fan	<sup>1</sup>					

### 3 HP Motor- Code 22 OR 32= HEY, HFY, HHY, HJY, HKY

Sch. Sym.	Part Description	Part Number	Voltage				
			208V	230V	380V	460V	575V
	<b>Contactors</b>						
M10, 20	Contactor- Supply (M10), Return (M20) Fan	027514401	1	1	1	1	1
	<b>Fuse Block and Fuses</b>						
FB10, 20	Fuse Block- Supply (FB10), Return (FB20) Fan	023780204	1	1			
	Fuse Block- Supply (FB10), Return (FB20) Fan	023780205			1	1	1
	Fuse- Supply (FB10), OR Return (FB20) Fan	025860506	3				
	Fuse- Supply (FB10), OR Return (FB20) Fan	025860505		3			
	Fuse- Supply (FB10), OR Return (FB20) Fan	025860437			3	3	
	Fuse- Supply (FB10), OR Return (FB20) Fan	025860404					3
	<b>Line Reactors- Units with inverters (C14= 1- 9, X)</b>						
LR10, 20	Line Reactor- Supply Fan (LR10) OR Return Fan (LR20)	073323517	1	1			
	Line Reactor- Supply Fan (LR10) OR Return Fan (LR20)	073323502			1	1	1
	<b>Overloads and Heaters</b>						
OL10, 20	Overload- Supply (OL10), OR Return (OL20) Fan	<sup>1</sup>					

**NOTE: Quantities Listed are PER motor.**

<sup>1</sup> Note that there have been two different series of Overloads and Overload Heaters used during the production run.

When replacing an Overload OR the matching Overload Heater it is VITAL to obtain vendor p/n and amperage rating from BOTH parts.

When replacing ONLY an Overload Heater, it is VERY IMPORTANT to first obtain vendor information and amperage rating from the existing Overload, Overload Heater, and Motor. It is important to obtain this information to ensure that the correct Overload Heater is selected since Overload Heaters are chosen based upon Motor amperage draw, AND Overload Heaters are NOT interchangeable between series. Also, Overload Heaters DO NOT automatically come with Overloads. OVERLOAD HEATERS MUST BE ORDERED SEPARATELY.

Once vendor and amperage information is obtained, contact Daikin Applied for p/ns.



# Section N- Main Control Box

Power Panel Until 3/05 <sup>2</sup>

## Fan Motor Contactors, Line Reactors, Overloads and Fusing Components, Continued

<sup>2</sup> Between 10/04 and 3/05 either this Power Panel (Code 08= P) OR the later Power Panel design (Code 08= D) could be installed. Check the GO or visually inspect the unit to verify which panel is installed.

### 5 HP Motor- Code 22 OR 32= JEY, JFY, JHY, JJY, JKY

Sch. Sym.	Part Description	Part Number	Voltage				
			208V	230V	380V	460V	575V
	<b>Contactors</b>						
M10, 20	Contactor- Supply (M10), Return (M20) Fan	027514401	1	1	1	1	1
	<b>Fuse Block and Fuses</b>						
FB10, 20	Fuse Block- Supply (FB10), Return (FB20) Fan	023780204	1	1			
	Fuse Block- Supply (FB10), Return (FB20) Fan	023780205			1	1	1
	Fuse- Supply (FB10), OR Return (FB20) Fan	025860508	3	3			
	Fuse- Supply (FB10), OR Return (FB20) Fan	025860538			3	3	
	Fuse- Supply (FB10), OR Return (FB20) Fan	025860430					3
	<b>Line Reactors- Units with inverters (C14= 1- 9, X)</b>						
LR10, 20	Line Reactor- Supply Fan (LR10) OR Return Fan (LR20)	073323518	1	1			
	Line Reactor- Supply Fan (LR10) OR Return Fan (LR20)	073323503			1	1	1
	<b>Overloads and Heaters</b>						
OL10, 20	Overload- Supply (OL10), OR Return (OL20) Fan	1					

### 7.5 HP Motor- Code 22 OR 32= KEY, KFY, KHY, KJY, KKY

Sch. Sym.	Part Description	Part Number	Voltage				
			208V	230V	380V	460V	575V
	<b>Contactors</b>						
M10, 20	Contactor- Supply (M10), Return (M20) Fan	027514402	1				
	Contactor- Supply (M10), Return (M20) Fan	027514401		1	1	1	1
	<b>Fuse Block and Fuses</b>						
FB10, 20	Fuse Block- Supply (FB10), Return (FB20) Fan	023780209	1	1			
	Fuse Block- Supply (FB10), Return (FB20) Fan	023780205			1	1	1
	Fuse- Supply (FB10), OR Return (FB20) Fan	025860510	3	3			
	Fuse- Supply (FB10), OR Return (FB20) Fan	025860406			3	3	
	Fuse- Supply (FB10), OR Return (FB20) Fan	025860405					3
	<b>Line Reactors- Units with inverters (C14= 1- 9, X)</b>						
LR10, 20	Line Reactor- Supply Fan (LR10) OR Return Fan (LR20)	073323519	1	1			
	Line Reactor- Supply Fan (LR10) OR Return Fan (LR20)	073323504			1	1	1
	<b>Overloads and Heaters</b>						
OL10, 20	Overload- Supply (OL10), OR Return (OL20) Fan	1					

**NOTE: Quantities Listed are PER motor.**

<sup>1</sup> Note that there have been two different series of Overloads and Overload Heaters used during the production run.

When replacing an Overload OR the matching Overload Heater it is VITAL to obtain vendor p/n and amperage rating from BOTH parts. When replacing ONLY an Overload Heater, it is VERY IMPORTANT to first obtain vendor information and amperage rating from the existing Overload, Overload Heater, and Motor. It is important to obtain this information to ensure that the correct Overload Heater is selected since Overload Heaters are chosen based upon Motor amperage draw, AND Overload Heaters are NOT interchangeable between series. Also, Overload Heaters DO NOT automatically come with Overloads. OVERLOAD HEATERS MUST BE ORDERED SEPARATELY.

Once vendor and amperage information is obtained, contact Daikin Applied for p/ns.

# Section N- Main Control Box

## Power Panel Until 3/05 <sup>2</sup>

### Fan Motor Contactors, Line Reactors, Overloads and Fusing Components, Continued

<sup>2</sup> Between 10/04 and 3/05 either this Power Panel (Code 08= P) OR the later Power Panel design (Code 08= D) could be installed. Check the GO or visually inspect the unit to verify which panel is installed.

#### 10 HP Motor- Code 22 OR 32= LEY, LFY, LHY, LJY, LKY

Sch. Sym.	Part Description	Part Number	Voltage				
			208V	230V	380V	460V	575V
	<b>Contactors</b>						
M10, 20	Contactor- Supply (M10), Return (M20) Fan	027514403	1				
	Contactor- Supply (M10), Return (M20) Fan	027514402		1			
	Contactor- Supply (M10), Return (M20) Fan	027514401			1	1	1
	<b>Fuse Block and Fuses</b>						
FB10, 20	Fuse Block- Supply (FB10), Return (FB20) Fan	023780209	1	1			
	Fuse Block- Supply (FB10), Return (FB20) Fan	023780205			1	1	1
	Fuse- Supply (FB10), OR Return (FB20) Fan	025860513	3				
	Fuse- Supply (FB10), OR Return (FB20) Fan	025860511		3			
	Fuse- Supply (FB10), OR Return (FB20) Fan	025860407			3	3	
	Fuse- Supply (FB10), OR Return (FB20) Fan	025860406					3
	<b>Line Reactors- Units with inverters (C14= 1- 9, X)</b>						
LR10, 20	Line Reactor- Supply Fan (LR10) OR Return Fan (LR20)	073323520	1	1			
	Line Reactor- Supply Fan (LR10) OR Return Fan (LR20)	073323505			1	1	1
	<b>Overloads and Heaters</b>						
OL10, 20	Overload- Supply (OL10), OR Return (OL20) Fan	1					

#### 15 HP Motor- Code 22 OR 32= MEY, MFY, MHY, MJY, MKY

Sch. Sym.	Part Description	Part Number	Voltage				
			208V	230V	380V	460V	575V
	<b>Contactors</b>						
M10, 20	Contactor- Supply (M10), Return (M20) Fan	027514404	1	1			
	Contactor- Supply (M10), Return (M20) Fan	027514402			1	1	1
	<b>Fuse Block and Fuses</b>						
FB10, 20	Fuse Block- Supply (FB10), Return (FB20) Fan	023780213	1				
	Fuse Block- Supply (FB10), Return (FB20) Fan	023780209		1			
	Fuse Block- Supply (FB10), Return (FB20) Fan	023780205			1	1	1
	Fuse- Supply (FB10), OR Return (FB20) Fan	025860515	3				
	Fuse- Supply (FB10), OR Return (FB20) Fan	025860514		3			
	Fuse- Supply (FB10), OR Return (FB20) Fan	025860409			3	3	3
	<b>Line Reactors- Units with inverters (C14= 1- 9, X)</b>						
LR10, 20	Line Reactor- Supply Fan (LR10) OR Return Fan (LR20)	073323511	1	1			
	Line Reactor- Supply Fan (LR10) OR Return Fan (LR20)	073323506			1	1	1
	<b>Overloads and Heaters</b>						
OL10, 20	Overload- Supply (OL10), OR Return (OL20) Fan	1					

**NOTE: Quantities Listed are PER motor.**

<sup>1</sup> Note that there have been two different series of Overloads and Overload Heaters used during the production run.

When replacing an Overload OR the matching Overload Heater it is VITAL to obtain vendor p/n and amperage rating from BOTH parts. When replacing ONLY an Overload Heater, it is VERY IMPORTANT to first obtain vendor information and amperage rating from the existing Overload, Overload Heater, and Motor. It is important to obtain this information to ensure that the correct Overload Heater is selected since Overload Heaters are chosen based upon Motor amperage draw, AND Overload Heaters are NOT interchangeable between series. Also, Overload Heaters DO NOT automatically come with Overloads. OVERLOAD HEATERS MUST BE ORDERED SEPARATELY.

Once vendor and amperage information is obtained, contact Daikin Applied for p/ns.

# Section N- Main Control Box

## Power Panel Until 3/05 <sup>2</sup>

### Fan Motor Contactors, Line Reactors, Overloads and Fusing Components, Continued

<sup>2</sup> Between 10/04 and 3/05 either this Power Panel (Code 08= P) OR the later Power Panel design (Code 08= D) could be installed. Check the GO or visually inspect the unit to verify which panel is installed.

#### 20 HP Motor- Code 22 OR 32= NEY, NFY, NHY, NJY, NKY

Sch. Sym.	Part Description	Part Number	Voltage				
			208V	230V	380V	460V	575V
	<b>Contactors</b>						
M10, 20	Contactor- Supply (M10), Return (M20) Fan	027514406	1				
	Contactor- Supply (M10), Return (M20) Fan	027514405		1			
	Contactor- Supply (M10), Return (M20) Fan	027514403			1	1	1
	<b>Fuse Block and Fuses</b>						
FB10, 20	Fuse Block- Supply (FB10), Return (FB20) Fan	023780213	1	1			
	Fuse Block- Supply (FB10), Return (FB20) Fan	023780210			1	1	1
	Fuse- Supply (FB10), OR Return (FB20) Fan	025860517	3				
	Fuse- Supply (FB10), OR Return (FB20) Fan	025860516		3			
	Fuse- Supply (FB10), OR Return (FB20) Fan	025860411			3	3	
	Fuse- Supply (FB10), OR Return (FB20) Fan	025860410					3
	<b>Line Reactors- Units with inverters (C14= 1- 9, X)</b>						
LR10, 20	Line Reactor- Supply Fan (LR10) OR Return Fan (LR20)	073323512	1	1			
	Line Reactor- Supply Fan (LR10) OR Return Fan (LR20)	073323507			1	1	1
	<b>Overloads and Heaters</b>						
OL10, 20	Overload- Supply (OL10), OR Return (OL20) Fan	1					

#### 25 HP Motor- Code 32= PEY, PFY, PHY, PJY, PKY

Sch. Sym.	Part Description	Part Number	Voltage				
			208V	230V	380V	460V	575V
	<b>Contactors</b>						
M10	Contactor- Supply Fan	027514407	1				
	Contactor- Supply Fan	027514406		1			
	Contactor- Supply Fan	027514404			1	1	1
	<b>Fuse Block and Fuses</b>						
FB10	Fuse Block- Supply Fan	023780218	1				
	Fuse Block- Supply Fan	023780213		1			
	Fuse Block- Supply Fan	023780210			1	1	1
	Fuse- FB10	025860519	3				
	Fuse- FB10	025860518		3			
	Fuse- FB10	025860413			3	3	
	Fuse- FB10	025860411					3
	<b>Line Reactors- Units with inverters (C14= 1- 9, X)</b>						
LR10	Line Reactor- Supply Fan	073323521	1	1			
	Line Reactor- Supply Fan	073323507			1	1	1
	<b>Overloads and Heaters</b>						
OL10	Overload- Supply (OL10) Fan	1					

**NOTE: Quantities Listed are PER motor.**

<sup>1</sup> Note that there have been two different series of Overloads and Overload Heaters used during the production run.

When replacing an Overload OR the matching Overload Heater it is VITAL to obtain vendor p/n and amperage rating from BOTH parts.

When replacing ONLY an Overload Heater, it is VERY IMPORTANT to first obtain vendor information and amperage rating from the existing Overload, Overload Heater, and Motor. It is important to obtain this information to ensure that the correct Overload Heater is selected since Overload Heaters are chosen based upon Motor amperage draw, AND Overload Heaters are NOT interchangeable between series. Also, Overload Heaters DO NOT automatically come with Overloads. OVERLOAD HEATERS MUST BE ORDERED SEPARATELY.

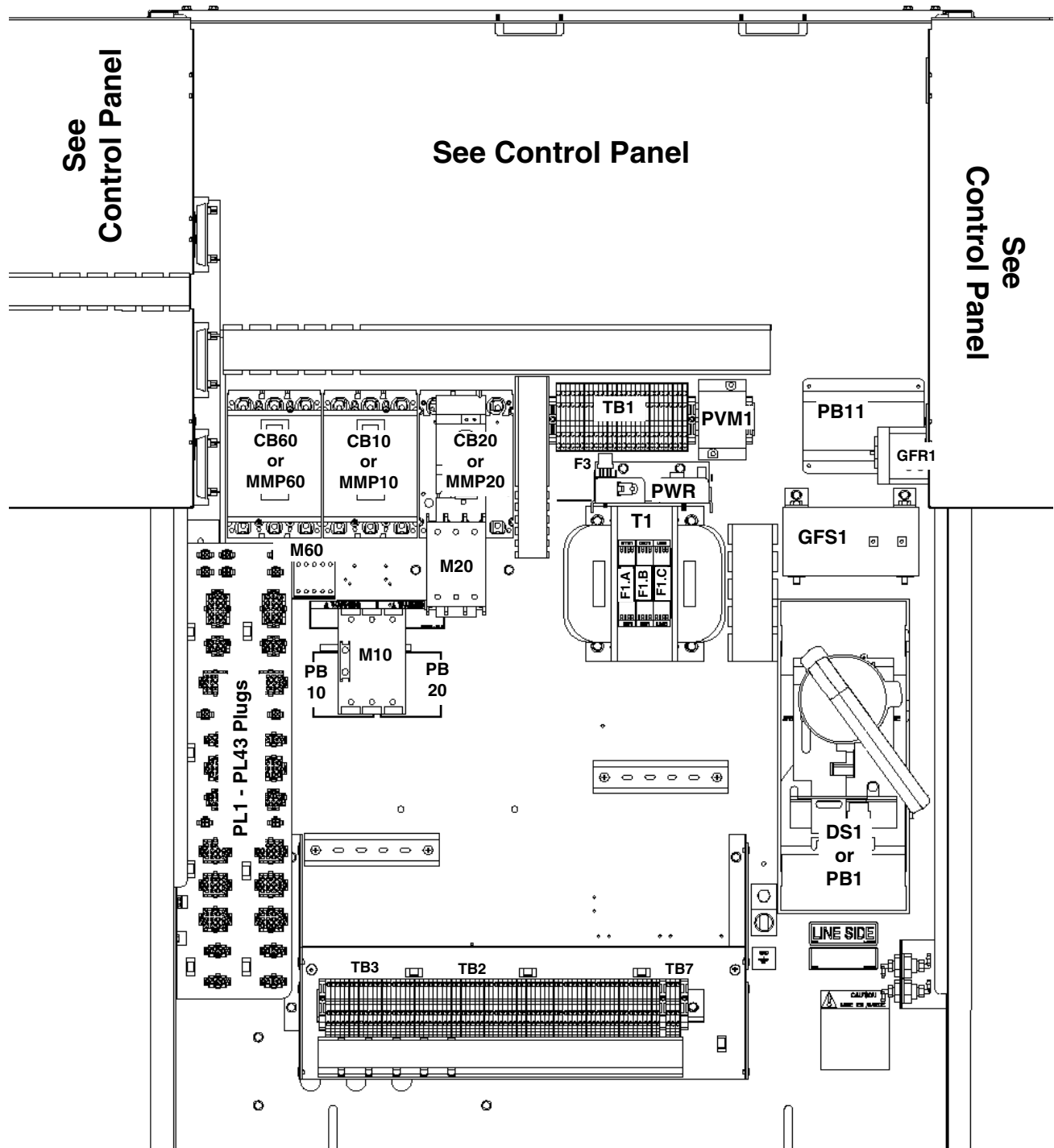
Once vendor and amperage information is obtained, contact Daikin Applied for p/ns.

# Section N- Main Control Box

## Power Panel 3/05 thru 10/06 <sup>1</sup>

### Diagram

<sup>1</sup> Code 08= D. Between 10/04 and 3/05 either this control panel or the original MicroTech II control panel (Code 08= P) could be installed. Check the GO or visually inspect the unit to verify which panel is installed. For units built between 10/06 & 12/06 contact Daikin Applied.



# Section N- Main Control Box

## Power Panel 3/05 thru 10/06 <sup>1</sup>

### Common Components

<sup>1</sup> Code 08= D. Between 10/04 and 3/05 either this control panel or the original MicroTech II control panel (Code 08= P) could be installed. Check the GO or visually inspect the unit to verify which panel is installed. For units built between 10/06 & 12/06 contact Daikin Applied.

#### Power Panel- Terminal Blocks, T1 Transformer and Fusing, Power Supply Board

Sch. Sym.	Part Description	Part Number	Voltage			
			208V	230V	460V	575V
	<b>Terminal Blocks</b>					
TB1	Terminal Block- Internal	349930605	2	2	2	2
TB2	Terminal Block- Field	349930603	3	3	3	3
TB3	Terminal Block- Factory	349930603	3	3	3	3
TB7	Terminal Block- Field Convenience Outlet	349930603	3	3	3	3
	<b>Transformer- Main</b>					
T1	Transformer- Main Control					
	Electric, Hydronic, No Heat (C04= E, S, W, Y)					
	Units without UV Lights	038253965	1			
	Units with UV Lights (Code 17 [2nd digit]= 1- 8)	038253966	1			
	Units without UV Lights	038253990		1	1	1
	Units with UV Lights (Code 17 [2nd digit]= 1- 8)	038253991		1	1	1
	Gas Heat (Code 04= A)					
	Units without UV Lights	038253966	1			
	Units with UV Lights (Code 17 [2nd digit]= 1- 8)	038253967	1			
	Units without UV Lights	038253991		1	1	1
	Units with UV Lights (Code 17 [2nd digit]= 1- 8)	038253992		1	1	1
	<b>Fuses- T1</b>					
F1.A,B	Fuse- T1 Transformer, Primary					
	Electric, Hydronic, No Heat (C04= E, S, W, Y)					
	Units without UV Lights	349937132	2	2		
	Units with UV Lights (Code 17 [2nd digit]= 1- 8)	349937135	2			
	Units with UV Lights (Code 17 [2nd digit]= 1- 8)	349937133		2		
	Units without UV Lights	349937130			2	
	Units with UV Lights (Code 17 [2nd digit]= 1- 8)	349937129			2	
	Units without UV Lights	349937124				2
	Units with UV Lights (Code 17 [2nd digit]= 1- 8)	349937127				2
	Gas Heat (Code 04= A)					
	Units without UV Lights	349937135	2			
	Units with UV Lights (Code 17 [2nd digit]= 1- 8)	349937136	2	2		
	Units without UV Lights	349937133		2		
	Units without UV Lights	349937129			2	
	Units without UV Lights	349937127				2
	Units with UV Lights (Code 17 [2nd digit]= 1- 8)	349937130				2
F1.C	Fuse- T1 Transformer, Secondary	349937035	1	1	1	1
F3	Fuse- Burner Blower Motor (Code 04= A)					
	Fuse Block	023780223	1	1	1	1
	Fuse	349937035	1	1	1	1
	Fuse Cover	349938207	1	1	1	1
	<b>Power Supply Board</b>					
PWR	Power Supply Board 5V	111049610	1	1	1	1

<sup>2</sup> Varies depending upon unit options. Part number is for one individual section. Ground Block is p/n 349930606.

<sup>3</sup> Varies depending upon unit options. Part number is for one individual section. Ground Block is p/n 349930604.

# Section N- Main Control Box

## Power Panel 3/05 thru 10/06 <sup>1</sup>

### Common Components, Continued

<sup>1</sup> Code 08= D. Between 10/04 and 3/05 either this control panel or the original MicroTech II control panel (Code 08= P) could be installed. Check the GO or visually inspect the unit to verify which panel is installed. For units built between 10/06 & 12/06 contact Daikin Applied.

#### Power Panel- Ground Fault Protection, Phase Protection, Power Blocks

Sch. Sym.	Part Description	Part Number	Voltage			
			208V	230V	460V	575V
	<b>Ground Fault Protection (Code 17= G,B,C,D,K)</b>					
GFR1	Ground Fault Relay- SPDT	349937502	1	1	1	1
GFS1	Ground Fault Sensor	349937407	1	1	1	1
	<b>Phase Voltage Monitor (Code 17= P,A,C,D,H,J,K)</b>					
PVM1	Phase Voltage Monitor	112022001	1	1	1	
	Phase Voltage Monitor	112022002				1
	<b>Power Blocks (Code 11= P1)</b>					
PB1	Power Block- Main					
	Power Block- 175A <sup>2</sup>	030372730	1	1	1	1
	Cover- 175A Block	349938302	1	1	1	1
	Lug- 175A Block	349938001	1	1	1	1
	Power Block- 310A <sup>2</sup>	030372744	1	1	1	1
	Cover- 310A Block	349938302	1	1	1	1
	Lug- 310A Block	349938001	1	1	1	1
	Power Block- 420A <sup>2</sup>	030372752	1	1	1	1
	Cover- 420A Block	349938302	1	1	1	1
	Lug- 420A Block	349938002	1	1	1	1
	Power Block- 760A <sup>2</sup>	030372728	1	1	1	1
	Cover- 760A Block	349938303	3	3	3	3
	Lug- 760A Block	349938003	1	1	1	1
PB11	Power Block- Power Distribution (Code 04= E)					
	20, 40 KW Electric Heat	030372730	1	1	1	1
	60, 80, 100 KW Electric Heat	030372744	1	1		
	60, 80, 100, 120 KW Electric Heat	030372730			1	1
	140,160,180,200,220 KW Electric Heat	030372744			1	1
	120 KW Electric Heat	030372752	1	1		
	240 KW Electric Heat	030372752			1	1
PB10	Power Block- Supply Fan (Code 15= F)	030372729	1	1	1	1
PB20	Power Block- Return Fan (Code 15= F)	030372729	1	1	1	1

<sup>2</sup> Any of the listed parts may be used, depending upon unit options. Check installed part to verify, or contact Daikin Applied with unit serial and/or GO number to ensure correct replacement is selected.

# Section N- Main Control Box

## Power Panel 3/05 thru 10/06 <sup>1</sup>

### Common Components, Continued

<sup>1</sup> Code 08= D. Between 10/04 and 3/05 either this control panel or the original MicroTech II control panel (Code 08= P) could be installed. Check the GO or visually inspect the unit to verify which panel is installed. For units built between 10/06 & 12/06 contact Daikin Applied.

#### Power Panel- Disconnect Switch, Plugs

Sch. Sym.	Part Description	Part Number	Voltage			
			208V	230V	460V	575V
	<b>Disconnect Switch</b>					
DS1	Disconnect Switch- Main <sup>2</sup> Code 11= A2					
	Switch- 150A	349935102	1	1	1	1
	Lugs	349935901	6	6	6	6
	Handle	349935501	1	1	1	1
	Ground Lug	349938001	1	1	1	1
	Switch- 250A	349935201	1	1	1	1
	Lugs	349936001	6	6	6	6
	Handle	349935501	1	1	1	1
	Ground Lug	349938001	1	1	1	1
	Switch- 400A	349935301	1	1	1	1
	Lugs	349936201	2	2	2	2
	Handle	349935602	1	1	1	1
	Ground Lug	349938002	1	1	1	1
	Switch- 600A	349935302	1	1	1	1
	Lugs	349936201	2	2	2	2
	Handle	349935602	1	1	1	1
	Ground Lug	349938002	1	1	1	1
	Switch- 800A	349935401	1	1	1	1
	Lugs	349936401	6	6	6	6
	Handle	349935701	1	1	1	1
	Ground Lug	349938003	1	1	1	1
	Switch- 1200A	349935403	1	1	1	1
	Lugs	349936501	6	6	6	6
	Handle	349935701	1	1	1	1
	Ground Lug	349938003	1	1	1	1
PL1- 43	<b>Plugs <sup>3</sup></b>					
<sup>4</sup>	4 Pin Plug	349930201	varies	varies	varies	varies
<sup>5</sup>	6 Pin Plug	349930403	varies	varies	varies	varies
<sup>6</sup>	12 Pin Plug	349930405	varies	varies	varies	varies
<sup>7</sup>	3 Pin Cap Kit	349930501	varies	varies	varies	varies
<sup>8</sup>	6 Pin Cap Kit	349930503	varies	varies	varies	varies
<sup>9</sup>	9 Pin Cap Kit	349930504	varies	varies	varies	varies
<sup>10</sup>	15 Pin Cap Kit	349930506	varies	varies	varies	varies

<sup>2</sup> Any of the listed disconnects may be used, depending upon unit options. Check installed part to verify, or contact Daikin Applied with unit serial and/or GO number to ensure correct replacement is selected.

<sup>3</sup> All possible plugs used are listed. Check actual unit to verify which plug is required.

<sup>4</sup> Used for PL1, PL, 2, PL3, PL4, PL5, PL6, PL22, PL23, PL24, PL37, PL38.

<sup>5</sup> Used with strain relief (p/n 300041173) & 6 pin cap kit (p/n 349930503). Used for PL20, PL21.

<sup>6</sup> Used for PL11, PL12, PL25, PL26, PL27, PL28, PL29, PL30 (PL11 & 12 also use strain relief p/n 300041175 & cap kit p/n 349930505).

<sup>7</sup> Used for PL16, PL17, PL31, PL32, PL33, PL34, PL39, PL40, PL41, PL42.

<sup>8</sup> Used for PL9, PL10.

<sup>9</sup> Used for PL18, PL19, PL35, PL36, PL43.

<sup>10</sup> Used for PL7, PL8.

# Section N- Main Control Box

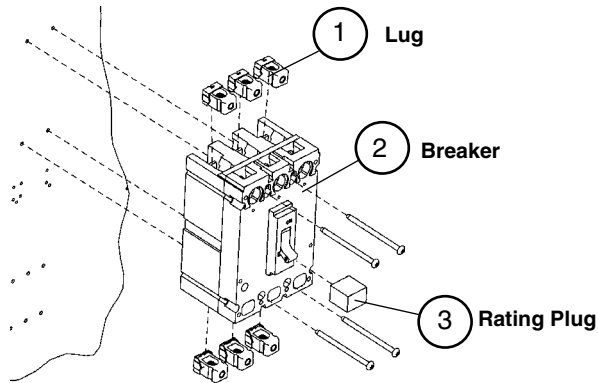
## Power Panel 3/05 thru 10/06 <sup>1</sup>

### Common Components, Continued

<sup>1</sup> Code 08= D. Between 10/04 and 3/05 either this control panel or the original MicroTech II control panel (Code 08= P) could be installed. Check the GO or visually inspect the unit to verify which panel is installed. For units built between 10/06 & 12/06 contact Daikin Applied.

### Supply Fan CB10, and Return Fan CB20 Circuit Breaker Detail

Part Numbers below apply to either the CB10 (supply fan) or CB20 (return fan: The CB20 only applies to motors up to 10 HP). Circuit Breakers are only used when a fan motor has an inverter (Code 14= 1- 9).



Ref. No.	Sch. Sym.	Part Description	Part Number	Voltage			
				208V	230V	460V	575V
1		Lug	349935901	6	6	6	6
2	CB10 CB20	Circuit Breaker- Supply Fan OR Return Fan					
		Circuit Breaker- Return Fan					
		Motor HP= 1- 7.5	349936601	1	1	1	1
		Motor HP= 10, 15	349936602	1	1		
		Motor HP= 10, 15	349936601			1	1
		Motor HP= 20, 25	349936603	1	1		
		Motor HP= 20, 25	349936602			1	
		Motor HP= 20	349936601				1
		Motor HP= 25	349936602				1
3		Plug- Rating					
		Motor HP= 1- 3	349936701	1	1	1	1
		Motor HP= 5	349936702	1	1		
		Motor HP= 5, 7.5	349936701			1	1
		Motor HP= 7.5	349936704	1	1		
		Motor HP= 10	349936705	1	1		
		Motor HP= 10	349936702			1	
		Motor HP= 10	349936701				1
		Motor HP= 15	349936707	1	1		
		Motor HP= 15	349936704			1	
		Motor HP= 15	349936702				1
		Motor HP= 20	349936709	1			
		Motor HP= 20	349936708		1		
		Motor HP= 25	349936710	1			
		Motor HP= 25	349936709		1		
		Motor HP= 20, 25	349936705			1	
		Motor HP= 20	349936704				1
		Motor HP= 25	349936705				1



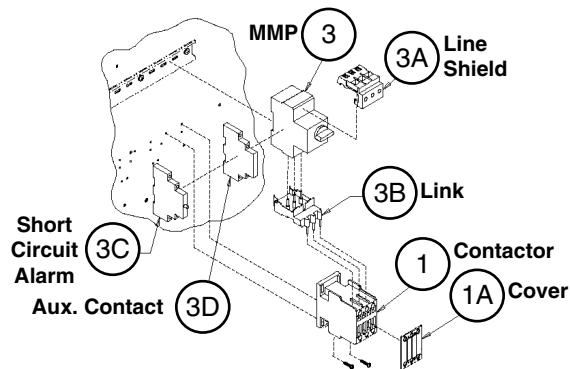
# Section N- Main Control Box

## Power Panel 3/05 thru 10/06 <sup>1</sup>

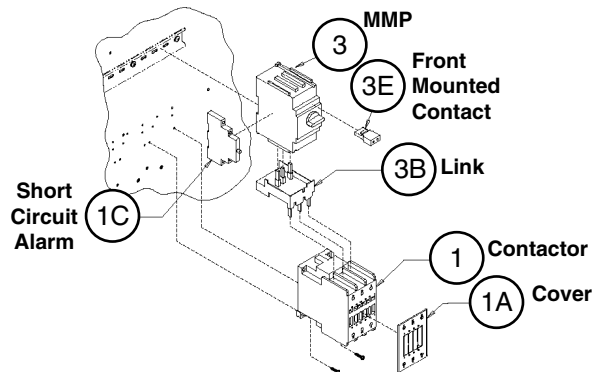
### Supply MMP10 & M10 Fan Contactor & Return MMP20 & M20 Fan Contactor

### Diagrams

<sup>1</sup> Code 08= D. Between 10/04 and 3/05 either this control panel or the original MicroTech II control panel (Code 08= P) could be installed. Check the GO or visually inspect the unit to verify which panel is installed. For units built between 10/06 & 12/06 contact Daikin Applied.

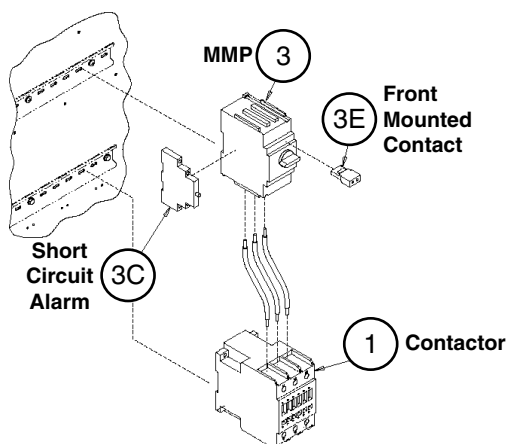


**MMP10 & M10 Link Detail  
MMP20 & M20 Link Detail  
1- 5 HP Motors- All Voltages  
7.5 HP Motor- 230/460/575V  
10, 15HP Motors- 460/575V**

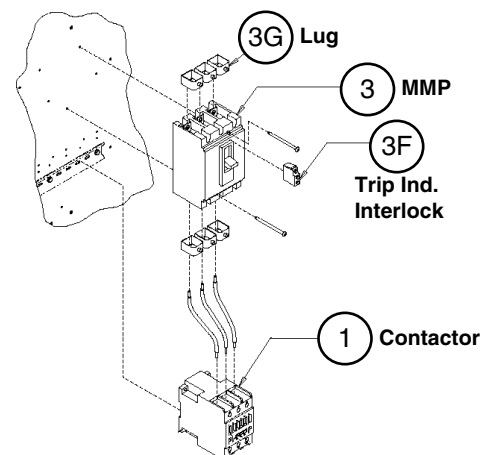


**MMP10 & M10 Link Detail  
MMP20 & M20 Link Detail  
7.5 HP Motors- 208V  
10, 15HP Motors- 208/230V  
20, 25 HP Motors- 460/575V**

**NOTE: The diagrams show all possible parts.  
Not every part shown applies to every unit  
size/voltage combination.**



**MMP10 & M10 Link Detail  
MMP20 & M20 Link Detail  
20 HP Motors- 208/230V  
25 HP Motors- 230V**



**MMP10 & M10 Link Detail  
25 HP Motors- 208V**

# Section N- Main Control Box

## Power Panel 3/05 thru 10/06 <sup>1</sup>

### Supply MMP10 & M10 Fan Contactor & Return MMP20 & M20 Fan Contactor Components

<sup>1</sup> Code 08= D. Between 10/04 and 3/05 either this control panel or the original MicroTech II control panel (Code 08= P) could be installed. Check the GO or visually inspect the unit to verify which panel is installed. For units built between 10/06 & 12/06 contact Daikin Applied.

#### 1 HP Motor- Code 22 OR 32= EEY, EFY, EHY, EJY, EKY

Ref. No.	Sch. Sym.	Part Description	Part Number	Voltage			
				208V	230V	460V	575V
1	M10, 20	Contactor- Supply (M10) OR Return (M20) Fan	349932101	1	1	1	1
1A		Cover- Contactor	349932801	1	1	1	1
3	MMP10, 20	MMP- Supply (MMP10) OR Return (MMP20) Fan	349934008	1	1		
		MMP- Supply (MMP10) OR Return (MMP20) Fan	349934007			1	
		MMP- Supply (MMP10) OR Return (MMP20) Fan	349934006				1
3A		Line Shield	349933001	1	1	1	1
3B		Link	349932902	1	1	1	1
3C		Short Circuit Alarm	349933903	1	1	1	1
3D		Aux. Interlock- 1 NO/1 NC	349933902	1	1	1	1

#### 1.5 HP Motor- Code 22 OR 32= FEY, FFY, FHY, FJY, FKY

Ref. No.	Sch. Sym.	Part Description	Part Number	Voltage			
				208V	230V	460V	575V
1	M10, 20	Contactor- Supply (M10) OR Return (M20) Fan	349932101	1	1	1	1
1A		Cover- Contactor	349932801	1	1	1	1
3	MMP10, 20	MMP- Supply (MMP10) OR Return (MMP20) Fan	349934009	1	1		
		MMP- Supply (MMP10) OR Return (MMP20) Fan	349934007			1	1
3A		Line Shield	349933001	1	1	1	1
3B		Link	349932902	1	1	1	1
3C		Short Circuit Alarm	349933903	1	1	1	1
3D		Aux. Interlock- 1 NO/1 NC	349933902	1	1	1	1

#### 2 HP Motor- Code 22 OR 32= GEY, GFY, GHY, GJY, GKY

Ref. No.	Sch. Sym.	Part Description	Part Number	Voltage			
				208V	230V	460V	575V
1	M10, 20	Contactor- Supply (M10) OR Return (M20) Fan	349932102	1	1	1	1
1A		Cover- Contactor	349932801	1	1	1	1
3	MMP10, 20	MMP- Supply (MMP10) OR Return (MMP20) Fan	349934010	1			
		MMP- Supply (MMP10) OR Return (MMP20) Fan	349934009		1		
		MMP- Supply (MMP10) OR Return (MMP20) Fan	349934008			1	
		MMP- Supply (MMP10) OR Return (MMP20) Fan	349934007				1
3A		Line Shield	349933001	1	1	1	1
3B		Link	349932902	1	1	1	1
3C		Short Circuit Alarm	349933903	1	1	1	1
3D		Aux. Interlock- 1 NO/1 NC	349933902	1	1	1	1

# Section N- Main Control Box

## Power Panel 3/05 thru 10/06 <sup>1</sup>

### Supply MMP10 & M10 Fan Contactor & Return MMP20 & M20 Fan Contactor Components

<sup>1</sup> Code 08= D. Between 10/04 and 3/05 either this control panel or the original MicroTech II control panel (Code 08= P) could be installed. Check the GO or visually inspect the unit to verify which panel is installed. For units built between 10/06 & 12/06 contact Daikin Applied.

#### 3 HP Motor- Code 22 OR 32= HEY, HFY, HHY, HJY, HKY

Ref. No.	Sch. Sym.	Part Description	Part Number	Voltage			
				208V	230V	460V	575V
1	M10, 20	Contactor- Supply (M10) OR Return (M20) Fan	349932102	1	1	1	1
1A		Cover- Contactor	349932801	1	1	1	1
3	MMP10, 20	MMP- Supply (MMP10) OR Return (MMP20) Fan	349934010	1	1		
		MMP- Supply (MMP10) OR Return (MMP20) Fan	349934009			1	
		MMP- Supply (MMP10) OR Return (MMP20) Fan	349934008				1
3A		Line Shield	349933001	1	1	1	1
3B		Link	349932902	1	1	1	1
3C		Short Circuit Alarm	349933903	1	1	1	1
3D		Aux. Interlock- 1 NO/1 NC	349933902	1	1	1	1

#### 5 HP Motor- Code 22 OR 32= JEY, JFY, JHY, JJY, JKY

Ref. No.	Sch. Sym.	Part Description	Part Number	Voltage			
				208V	230V	460V	575V
1	M10, 20	Contactor- Supply (M10) OR Return (M20) Fan	349932301	1			
		Contactor- Supply (M10) OR Return (MMP20) Fan	349932201		1		
		Contactor- Supply (M10) OR Return (MMP20) Fan	349932102			1	1
1A		Cover- Contactor	349932803	1			
		Cover- Contactor	349932802		1		
		Cover- Contactor	349932801			1	1
3	MMP10, 20	MMP- Supply (MMP10) OR Return (MMP20) Fan	349934012	1	1		
		MMP- Supply (MMP10) OR Return (MMP20) Fan	349934010			1	
		MMP- Supply (MMP10) OR Return (MMP20) Fan	349934009				1
3A		Line Shield	349933001	1	1	1	1
3B		Link	349932904	1			
		Link	349932902		1	1	1
3C		Short Circuit Alarm	349933903	1	1	1	1
3D		Aux. Interlock- 1 NO/1 NC	349933902	1	1	1	1

# Section N- Main Control Box

## Power Panel 3/05 thru 10/06 <sup>1</sup>

### Supply MMP10 & M10 Fan Contactor & Return MMP20 & M20 Fan Contactor Components

<sup>1</sup> Code 08= D. Between 10/04 and 3/05 either this control panel or the original MicroTech II control panel (Code 08= P) could be installed. Check the GO or visually inspect the unit to verify which panel is installed. For units built between 10/06 & 12/06 contact Daikin Applied.

#### 7.5 HP Motor- Code 22 OR 32= KEY, KFY, KHY, KJY, KKY

Ref. No.	Sch. Sym.	Part Description	Part Number	Voltage			
				208V	230V	460V	575V
1	M10, 20	Contactor- Supply (M10) OR Return (MMP20) Fan	349932401	1			
		Contactor- Supply (M10) OR Return (MMP20) Fan	349932301		1		
		Contactor- Supply (M10) OR Return (MMP20) Fan	349932102			1	1
1A		Cover- Contactor	349932804	1			
		Cover- Contactor	349932803		1		
		Cover- Contactor	349932801			1	1
3	MMP10, 20	MMP- Supply (MMP10) OR Return (MMP20) Fan	349934105	1			
		MMP- Supply (MMP10) OR Return (MMP20) Fan	349934014		1		
		MMP- Supply (MMP10) OR Return (MMP20) Fan	349934011			1	
		MMP- Supply (MMP10) OR Return (MMP20) Fan	349934010				1
3A		Line Shield	349933001		1	1	1
3B		Link	349932906	1			
		Link	349932904		1		
		Link	349932902			1	1
3C		Short Circuit Alarm	349933903	1	1	1	1
3D		Aux. Interlock- 1 NO/1 NC	349933902		1	1	1
3E		OL Circuit Alarm- Front	349933804	1			

#### 10 HP Motor- Code 22 OR 32= LEY, LFY, LHY, LJY, LKY

Ref. No.	Sch. Sym.	Part Description	Part Number	Voltage			
				208V	230V	460V	575V
1	M10, 20	Contactor- Supply (M10) OR Return (MMP20) Fan	349932501	1	1		
		Contactor- Supply (M10) OR Return (MMP20) Fan	349932201			1	
		Contactor- Supply (M10) OR Return (MMP20) Fan	349932102				1
1A		Cover- Contactor	349932805	1	1		
		Cover- Contactor	349932802			1	
		Cover- Contactor	349932801				1
3	MMP10, 20	MMP- Supply (MMP10) OR Return (MMP20) Fan	349934106	1	1		
		MMP- Supply (MMP10) OR Return (MMP20) Fan	349934012			1	
		MMP- Supply (MMP10) OR Return (MMP20) Fan	349934011				1
3A		Line Shield	349933001			1	1
3B		Link	349932907	1	1		
		Link	349932903			1	
		Link	349932902				1
3C		Short Circuit Alarm	349933903	1	1	1	1
3D		Aux. Interlock- 1 NO/1 NC	349933902			1	1
3E		OL Circuit Alarm- Front	349933804	1	1		

# Section N- Main Control Box

## Power Panel 3/05 thru 10/06 <sup>1</sup>

### Supply MMP10 & M10 Fan Contactor & Return MMP20 & M20 Fan Contactor Components

<sup>1</sup> Code 08= D. Between 10/04 and 3/05 either this control panel or the original MicroTech II control panel (Code 08= P) could be installed. Check the GO or visually inspect the unit to verify which panel is installed. For units built between 10/06 & 12/06 contact Daikin Applied.

#### 15 HP Motor- Code 22 OR 32= MEY, MFY, MHY, MJY, MKY

Ref. No.	Sch. Sym.	Part Description	Part Number	Voltage			
				208V	230V	460V	575V
1	M10, 20	Contactor- Supply (M10) OR Return (MMP20) Fan	349932501	1	1		
	M10, 20	Contactor- Supply (M10) OR Return (MMP20) Fan	349932301			1	1
1A	M10, 20	Contactor- Supply (M10) OR Return (MMP20) Fan	349932805	1	1		
		Cover- Contactor	349932803			1	1
3	MMP10, 20	MMP- Supply (MMP10) OR Return (MMP20) Fan	349934108	1	1		
		MMP- Supply (MMP10) OR Return (MMP20) Fan	349934014			1	
		MMP- Supply (MMP10) OR Return (MMP20) Fan	349934013				1
3A		Line Shield	349933001			1	1
3B		Link	349932907	1	1		
		Link	349932904			1	1
3C		Short Circuit Alarm	349933903	1	1	1	1
3D		Aux. Interlock- 1 NO/1 NC	349933902			1	1
3E		OL Circuit Alarm- Front	349933804	1	1		

#### 20 HP Motor- Code 22 OR 32= NEY, NFY, NHY, NJY, NKY

Ref. No.	Sch. Sym.	Part Description	Part Number	Voltage			
				208V	230V	460V	575V
1	M10, 20	Contactor- Supply (M10) OR Return (MMP20) Fan	349932601	1	1		
	M10, 20	Contactor- Supply (M10) OR Return (MMP20) Fan	349932501			1	1
1A	M10, 20	Contactor- Supply (M10) OR Return (MMP20) Fan	349932805			1	1
3	MMP10, 20	MMP- Supply (MMP10) OR Return (MMP20) Fan	349934109	1			
		MMP- Supply (MMP10) OR Return (MMP20) Fan	349934108		1		
		MMP- Supply (MMP10) OR Return (MMP20) Fan	349934106			1	
		MMP- Supply (MMP10) OR Return (MMP20) Fan	349934105				1
3B		Link	349932907			1	1
3C		Short Circuit Alarm	349933903	1	1	1	1
3E		OL Circuit Alarm- Front	349933804	1	1	1	1

# Section N- Main Control Box

## Power Panel 3/05 thru 10/06 <sup>1</sup>

### Supply MMP10 & M10 Fan Contactor & Return MMP20 & M20 Fan Contactor Components

<sup>1</sup> Code 08= D. Between 10/04 and 3/05 either this control panel or the original MicroTech II control panel (Code 08= P) could be installed. Check the GO or visually inspect the unit to verify which panel is installed. For units built between 10/06 & 12/06 contact Daikin Applied.

#### 25 HP Motor- Code 32= PEY, PFY, PHY, PJY, PKY

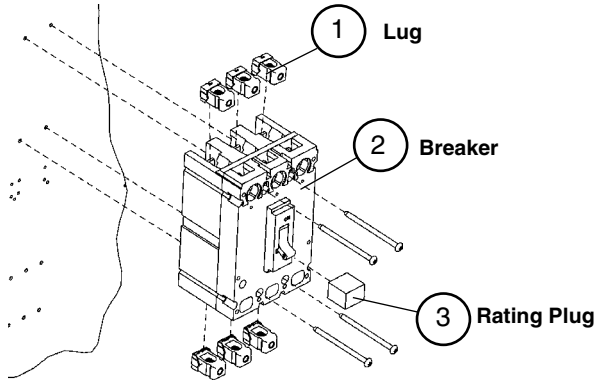
Ref. No.	Sch. Sym.	Part Description	Part Number	Voltage			
				208V	230V	460V	575V
1	M10	Contactor- Supply Fan	349932601	1	1		
		Contactor- Supply Fan	349932501			1	1
1A		Cover- Contactor	349932805			1	1
3	MMP10	MMP- Supply Fan	349938606	1			
		MMP- Supply Fan	349934109		1		
		MMP- Supply Fan	349934107			1	
		MMP- Supply Fan	349934106				1
3B		Link	349932907			1	1
3C		Short Circuit Alarm	349933903		1	1	1
3E		OL Circuit Alarm- Front	349933804		1	1	1
3F		Trip Indicator Interlock	349938701	1			
3G		Lug	349938801	6			

# Section N- Main Control Box

Power Panel 3/05 thru 10/06 <sup>1</sup>

## Heat Recovery Wheel Contactor, Motor Protector & Circuit Breaker

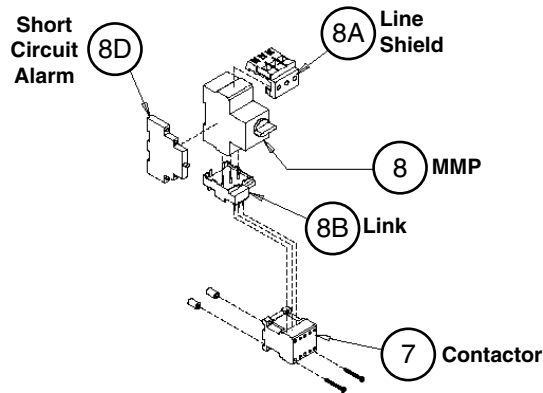
<sup>1</sup> Code 08= D. Between 10/04 and 3/05 either this control panel or the original MicroTech II control panel (Code 08= P) could be installed. Check the GO or visually inspect the unit to verify which panel is installed. For units built between 10/06 & 12/06 contact Daikin Applied.



### CB60 Detail (Units With Frost Protection Code 24= F)

Ref No.	Part Description	Part Number	Qty.
1	Lugs	349935901 <sup>1</sup>	6
2	Circuit Breaker	349936601 <sup>1</sup>	1
3	Plug- Rating	349936701 <sup>1</sup>	1

<sup>1</sup> Circuit Breakers are only used when a unit has Frost Protection (Code 24= F).



### MMP60 & M60 Detail (Units With No Frost Protection Code 24= Y)

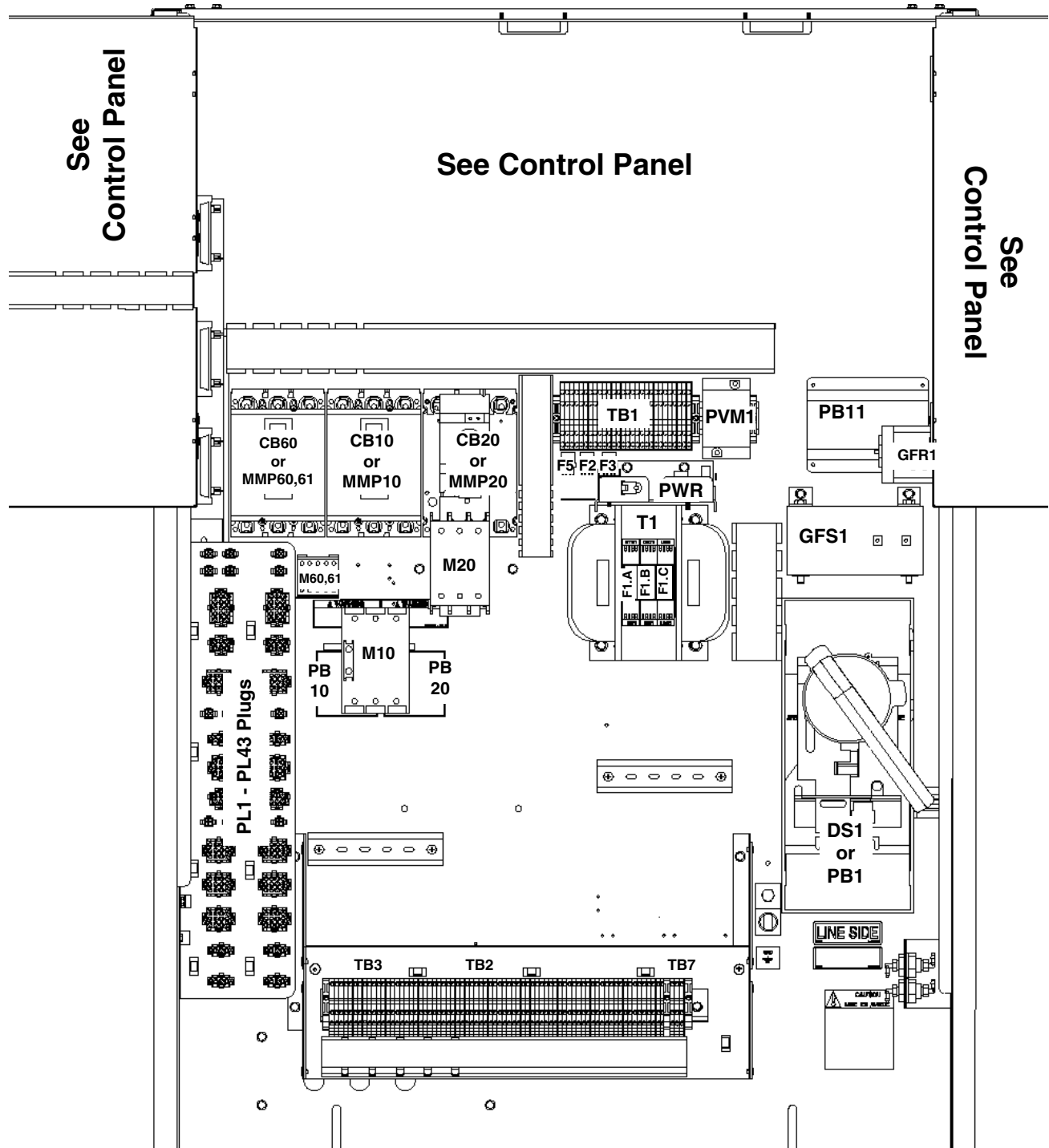
Ref No	Sch Sym	Part Description	Part Number	Heat Recovery Control Type								
				100% OA Low Flow Code 20= 1E			100% OA HI Flow Code 20= 2E			Economizer Code 20= 3E		
				208/230V	460V	575V	208/230V	460V	575V	208/230V	460V	575V
		<b>Heat Wheel Contactor</b>										
7	M60	Contactor	349934201	1	1	1	1	1	1	1	1	1
		<b>Heat Wheel MMP's &amp; Parts</b>										
8	MMP60	Manual Motor Protector	349934007						1			
		Manual Motor Protector	349934008	1				1		1		
		Manual Motor Protector	349934006		1	1					1	1
		Manual Motor Protector	349934009				1					
8A		Line Shield- MMP	349933001	1	1	1	1	1	1	1	1	1
8B		Link- MMP	349932901	1	1	1	1	1	1	1	1	1
8D		Short Circuit Alarm	349933903	1	1	1	1	1	1	1	1	1

# Section N- Main Control Box

## Power Panel 1/07 thru 3/13 <sup>1</sup>

### Diagram

<sup>1</sup> Code 08= D. For units built between 10/06 and 12/06 OR 04/13 and 05/13 contact Daikin Applied.





# Section N- Main Control Box

## Power Panel 1/07 thru 3/13 <sup>1</sup>

### Common Components

<sup>1</sup> Code 08= D. For units built between 10/06 and 12/06 OR 04/13 and 05/13 contact Daikin Applied.

#### Power Panel- Terminal Blocks, T1 Transformer & Fusing

Sch. Sym.	Part Description	Part Number	Voltage			
			208V	230V	460V	575V
	<b>Transformer- Main <sup>2</sup></b>					
T1	Transformer- Main Control					
	Electric, Hydronic, No Heat (Code 04= E, S, W, Y)					
	Units without UV Lights & No Controls (C12= YM)	038253972	1			
	Units without UV Lights & No Controls (C12= YM)	038253954		1	1	1
	Units without UV Lights w/MicroTech III	038253974	1			
	Units without UV Lights w/MicroTech III	038253956		1	1	
	Units without UV Lights w/MicroTech III	038253983				1
	Units with UV Lights (Code 17 [2nd digit]= 1- 8)	038253975	1			
	Units with UV Lights (Code 17 [2nd digit]= 1- 8)	038253957		1	1	
	Units with UV Lights (Code 17 [2nd digit]= 1- 8)	038253984				1
	Gas Heat (Code 04= A)					
	Units without UV Lights	038253975	1			
	Units without UV Lights	038253957		1	1	
	Units without UV Lights	038253984				1
	Units with UV Lights (Code 17 [2nd digit]= 1- 8)	038253976	1			
	Units with UV Lights (Code 17 [2nd digit]= 1- 8)	038253958		1	1	
	Units with UV Lights (Code 17 [2nd digit]= 1- 8)	038253985				1
	<b>Fuses- T1</b>					
F1.A,B	Fuse- T1 Transformer, Primary					
	Electric, Hydronic, No Heat (Code 04= E, S, W, Y)					
	Units without UV Lights & No Controls (C12= YM)	349937125	2			
	Units without UV Lights & No Controls (C12= YM)	349937124		2	2	
	Units without UV Lights & No Controls (C12= YM)	349937123				2
	Units without UV Lights & MicroTech III	349937132	2			
	Units without UV Lights & MicroTech III	349937131		2		
	Units without UV Lights & MicroTech III	349937124			2	
	Units without UV Lights & MicroTech III	349937129				2
	Units with UV Lights (Code 17 [2nd digit]= 1- 8)	349937134	2			
	Units with UV Lights (Code 17 [2nd digit]= 1- 8)	349937133		2		
	Units with UV Lights (Code 17 [2nd digit]= 1- 8)	349937129			2	
	Units with UV Lights (Code 17 [2nd digit]= 1- 8)	349937125				2
	Gas Heat (Code 04= A)					
	Units without UV Lights	349937134	2			
	Units without UV Lights	349937133		2		
	Units without UV Lights	349937129			2	
	Units without UV Lights	349937125				2
	Units with UV Lights (Code 17 [2nd digit]= 1- 8)	349937135	2	2		
	Units with UV Lights (Code 17 [2nd digit]= 1- 8)	349937131			2	
	Units with UV Lights (Code 17 [2nd digit]= 1- 8)	349937129				2
F1.C	Fuse- T1 Transformer	349937036 <sup>3</sup>	1	1	1	1
	Fuse- T1 Transformer	349937035 <sup>3</sup>	1	1	1	1
	Fuse- T1 Transformer	349937033 <sup>3</sup>	1	1	1	1
	Fuse- T1 Transformer	349937027 <sup>3</sup>	1	1	1	1

<sup>2</sup> T1 transformers also use Fuse Puller Kit p/n 349955801 & Cover Kit p/n 349955901.

<sup>3</sup> Fuse depends on heat type and presence of UV lights. 349937036= Gas Heat Unit w/UV lights; 349937035= Gas Heat Unit with no UV lights OR Non-Gas Heat Unit with UV lights; 349937033= Non- Gas Heat Units with no UV lights (w/ MicroTech III Controls, Code 12= \*E, \*F, \*W); 349937027= Non- Gas Heat Units with no UV lights (w/ No Controls, Code 12= YM) .

# Section N- Main Control Box

## Power Panel 1/07 thru 3/13 <sup>1</sup>

### Common Components, Continued

<sup>1</sup> Code 08= D. For units built between 10/06 and 12/06 OR 04/13 and 05/13 contact Daikin Applied.

#### Power Panel- Fusing, Phase Protection, Ground Fault, Power Blocks, Terminal Blocks, Power Supply, Receptacle

Sch. Sym.	Part Description	Part Number	Voltage			
			208V	230V	460V	575V
	<b>Fuses, continued</b>					
F2,F3, F5	Fuses					
	Fuse Block	023780223	1/fuse	1/fuse	1/fuse	1/fuse
	Fuse Cover	349938227	1/fuse	1/fuse	1/fuse	1/fuse
F2	Fuse- 2000+VA transformer	349937035	1	1	1	1
F3	Fuse- Blower Motor (Code 04= A)	349937035	1	1	1	1
F5	Fuse- UV Lights (Code 17 [2nd digit]= 1- 8)	349937032	1	1	1	1
	<b>Phase Voltage Monitor (Code 17= P,A,C,D,H,J,K)</b>					
PVM1	Phase Voltage Monitor	112022001	1	1	1	
	Phase Voltage Monitor	112022002				1
	<b>Ground Fault Protection (Code 17= G,B,C,D,K)</b>					
GFR1	Ground Fault Relay- SPDT	349937502	1	1	1	1
GFS1	Ground Fault Sensor	349937407	1	1	1	1
	<b>Power Blocks (Code 11= P1, Q1)</b>					
PB1	Power Block- Main					
	Power Block- 175A <sup>4</sup>	030372777	1	1	1	1
	Lug- 175A Block	349938001	1	1	1	1
	Power Block- 310A <sup>4</sup>	030372783	1	1	1	1
	Lug- 310A Block	349938001	1	1	1	1
	Power Block- 420A <sup>4</sup>	030372785	1	1	1	1
	Lug- 420A Block	349938002	1	1	1	1
	Power Block- 760A <sup>4, 5</sup>	030372721			1	1
	Lug- 760A Block	349938003	1	1	1	1
PB11	Power Block- Power Distribution (Code 04= E)					
	20, 40 KW Electric Heat	030372777	1	1	1	1
	60, 80, 100, 120 KW Electric Heat	030372785	1	1		
	60, 80, 100, 120 KW Electric Heat	030372777			1	1
	140, 160, 180, 200, 220, 240 KW Electric Heat	030372785			1	1
PB10	Power Block- Supply Fan (Code 15= F)	030372776	1	1	1	1
PB20	Power Block- Return Fan (Code 15= F)	030372776	1	1	1	1
	<b>Terminal Blocks</b>					
TB1	Terminal Block	349930641	6	6	6	6
TB2, 7	Terminal Block	349930641	2	2	2	2
TB3	Terminal Block	349930641	3	3	3	3
	<b>Power Supply Board</b>					
PWR	Power Supply Board, 5V (Code 12= *D, *S)	111049610	1	1	1	1
	<b>Receptacle</b>					
REC1	Receptacle	039003600	1	1	1	1

<sup>2</sup> Varies depending upon unit options. Part number is for one individual section. Ground Block is p/n 349930647.

<sup>3</sup> Varies depending upon unit options. Part number is for one individual section. When required, Jumpers are p/n 349930922 (2 pole), 349930923 (3 pole), 349930924 (4 pole), 349930925 (5 pole).

<sup>4</sup> Any of the listed parts may be used, depending upon unit options. Check installed part to verify, or contact Daikin Applied with unit serial and/or GO number to ensure correct replacement is selected.

<sup>5</sup> Also uses Cover p/n 349938345.

<sup>6</sup> Varies depending upon unit options. Part number is for one individual section. Ground Block is p/n 349930647. Jumpers are p/n 349930945 (TB1A:5), 349930943 (TB2B:14), 349930942 (TB1C:20, TB1D:25 & TB1E:30).

# Section N- Main Control Box

## Power Panel 1/07 thru 3/13 <sup>1</sup>

### Common Components, Continued

<sup>1</sup> Code 08= D. For units built between 10/06 and 12/06 OR 04/13 and 05/13 contact Daikin Applied.

#### Power Panel- Disconnect Switch, Plugs

Sch. Sym.	Part Description	Part Number	Voltage			
			208V	230V	460V	575V
	<b>Disconnect Switch <sup>2</sup></b>					
DS1	Disconnect Switch- Main Code 11= A2					
	Switch- 100A Electric Heat Units	349935125	1	1	1	1
	Switch- 100A Gas, Hydronic or No Heat Units	349935121	1	1	1	1
	Shaft, Mod	349962201	6	6	6	6
	Handle w/ Operating Mechanism	349935521	1	1	1	1
	Ground Lug	349938001	1	1	1	1
	Switch- 150A Electric Heat Units	349935126	1	1	1	1
	Switch- 150A Gas, Hydronic or No Heat Units	349935122	1	1	1	1
	Shaft, Mod	349962202	6	6	6	6
	Handle w/ Operating Mechanism	349935532	1	1	1	1
	Ground Lug	349938001	1	1	1	1
	Switch- 250A Electric Heat Units	349935226	1	1	1	1
	Switch- 250A Gas, Hydronic or No Heat Units	349935222	1	1	1	1
	Shaft, Mod	349962202	6	6	6	6
	Handle w/ Operating Mechanism	349935532	1	1	1	1
	Ground Lug	349938001	1	1	1	1
	Switch- 400A Electric Heat Units	349935325	1	1	1	1
	Switch- 400A Gas, Hydronic or No Heat Units	349935321	1	1	1	1
	Shaft, Mod	349962203	6	6	6	6
	Handle w/ Operating Mechanism	349935621	1	1	1	1
	Ground Lug	349938002	1	1	1	1
	Switch- 600A <sup>11</sup>	193438002	1	1	1	1
	Shaft, Mod <sup>11</sup>	349962223	6	6	6	6
	Handle w/ Operating Mechanism <sup>11</sup>	193437901	1	1	1	1
	Ground Lug <sup>11</sup>	349938002	1	1	1	1
PL1- 43	<b>Plugs <sup>10</sup></b>					
<sup>3</sup>	4 Pin Plug	349930201	varies	varies	varies	varies
<sup>4</sup>	6 Pin Plug	349930403	varies	varies	varies	varies
<sup>5</sup>	12 Pin Plug	349930405	varies	varies	varies	varies
<sup>6</sup>	3 Pin Cap Kit	349930501	varies	varies	varies	varies
<sup>7</sup>	6 Pin Cap Kit	349930503	varies	varies	varies	varies
<sup>8</sup>	9 Pin Cap Kit	349930504	varies	varies	varies	varies
<sup>9</sup>	15 Pin Cap Kit	349930506	varies	varies	varies	varies

<sup>2</sup> Any of the listed Disconnects may be used, depending upon unit options. Check installed part to verify, or contact Daikin Applied with unit serial and/or GO number to ensure correct replacement is selected.

<sup>3</sup> Used for PL1, PL, 2, PL3, PL4, PL5, PL6, PL22, PL23, PL24, PL37, PL38.

<sup>4</sup> Used with Strain Relief (p/n 300041173) & 6 pin cap kit (p/n 349930503). Used for PL20, PL21.

<sup>5</sup> Used for PL11, PL12, PL25, PL26, PL27, PL28, PL29, PL30 (PL11 & 12 also use Strain Relief p/n 300041175 & Cap Kit p/n 349930505).

<sup>6</sup> Used for PL16, PL17, PL31, PL32, PL33, PL34, PL39, PL40, PL41, PL42.

<sup>7</sup> Used for PL9, PL10.

<sup>8</sup> Used for PL18, PL19, PL35, PL36, PL43.

<sup>9</sup> Used for PL7, PL8.

<sup>10</sup> All possible Plugs used are listed. Check actual unit to verify which Plug is required.

<sup>11</sup> Note that the original Disconnect is obsolete. Due to dimensional differences minor field modifications may be required for proper installation.

# Section N- Main Control Box

## Power Panel 1/07 thru 3/13 <sup>1</sup>

### Common Components, Continued

<sup>1</sup> Code 08= D. For units built between 10/06 and 12/06 OR 04/13 and 05/13 contact Daikin Applied.

#### Power Panel- Circuit Breakers

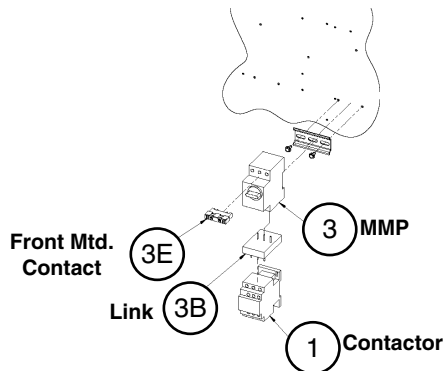
Sch. Sym.	Part Description	Part Number	Voltage			
			208V	230V	460V	575V
	<b>Circuit Breakers</b>					
CB10	Circuit Breaker- Supply Fan OR Return Fan					
CB20	Circuit Breaker- Return Fan					
	Motor HP= 1, 1.5, 2, 3	349939621	1	1	1	
	Motor HP= 1, 1.5, 2, 3, 5, 7.5, 10	349939601				1
	Motor HP= 5	349939622	1	1		
	Motor HP= 5, 7.5	349939621			1	
	Motor HP= 7.5	349939624	1	1		
	Motor HP= 10	349939626	1	1		
	Motor HP= 10	349939622			1	
	Motor HP= 15	349939629	1	1		
	Motor HP= 15	349939624			1	
	Motor HP= 15, 20	349939604				1
	Motor HP= 20	349939631	1			
	Motor HP= 20	349939630		1		
	Motor HP= 20, 25	349939626			1	
	Motor HP= 25	349939632	1			
	Motor HP= 25	349939631		1		
	Motor HP= 25	349939606				1
CB60	Circuit Breaker- Heat Recovery Wheel	349939621	1	1	1	
	Circuit Breaker- Heat Recovery Wheel	349939601				1

# Section N- Main Control Box

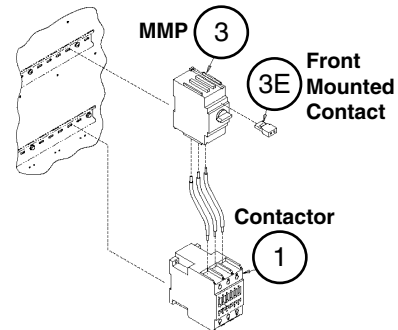
## Power Panel 1/07 thru 3/13 <sup>1</sup>

### Supply MMP10 & M10 Fan Contactor & Return MMP20 & M20 Fan Contactor Diagrams

<sup>1</sup> Code 08= D. For units built between 10/06 and 12/06 OR 04/13 and 05/13 contact Daikin Applied.

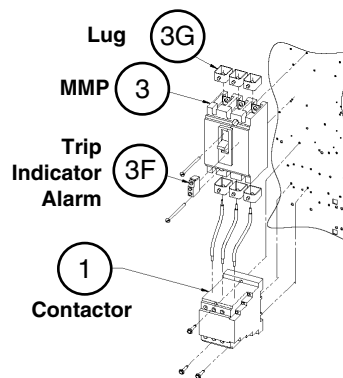


**MMP10 & M10 Link Detail**  
**MMP20 & M20 Link Detail**  
 1- 7.5 HP Motors- All Voltages  
 10 HP Motor- 230/460/575V  
 15, 20 HP Motor- 460/575V  
 25 HP Motor- 575V



**MMP10 & M10 Link Detail**  
**MMP20 & M20 Link Detail**  
 10HP Motor- 208V  
 15HP Motor- 208/230V  
 20 HP Motor- 208/230V  
 25 HP Motor- 230/460V

**NOTE: The diagrams show all possible parts. Not every part shown applies to every unit size/voltage combination.**



**MMP10 & M10 Link Detail**  
 25 HP Motor- 208V

# Section N- Main Control Box

## Power Panel 1/07 thru 3/13 <sup>1</sup>

### Supply MMP10 & M10 Fan Contactor & Return MMP20 & M20 Fan Contactor Components

<sup>1</sup> Code 08= D. For units built between 10/06 and 12/06 OR 04/13 and 05/13 contact Daikin Applied.

#### 1 HP Motor- Code 22 OR 32= EEEY, EEFY, EHY, EJY, EKY

Ref. No.	Sch. Sym.	Part Description	Part Number	Voltage			
				208V	230V	460V	575V
1	M10, 20	Contactor- Supply (M10) OR Return (M20) Fan	349932121	1	1	1	1
3	MMP10, 20	MMP- Supply (MMP10) OR Return (MMP20) Fan	349934048	1	1		
		MMP- Supply (MMP10) OR Return (MMP20) Fan	349934046			1	1
3B		Link	349932922	1	1	1	1
3E		Aux. Contact- 1 NC OR NO	349933821	1	1	1	1

#### 1.5 HP Motor- Code 22 OR 32= FEY, FFY, FHY, FJY, FKY

Ref. No.	Sch. Sym.	Part Description	Part Number	Voltage			
				208V	230V	460V	575V
1	M10, 20	Contactor- Supply (M10) OR Return (M20) Fan	349932121	1	1	1	1
3	MMP10, 20	MMP- Supply (MMP10) OR Return (MMP20) Fan	349934049	1	1		
		MMP- Supply (MMP10) OR Return (MMP20) Fan	349934047			1	1
3B		Link	349932922	1	1	1	1
3E		Aux. Contact- 1 NC OR NO	349933821	1	1	1	1

#### 2 HP Motor- Code 22 OR 32= GEY, GFY, GHY, GJY, GKY

Ref. No.	Sch. Sym.	Part Description	Part Number	Voltage			
				208V	230V	460V	575V
1	M10, 20	Contactor- Supply (M10) OR Return (M20) Fan	349932121	1	1	1	1
3	MMP10, 20	MMP- Supply (MMP10) OR Return (MMP20) Fan	349934050	1			
		MMP- Supply (MMP10) OR Return (MMP20) Fan	349934049		1		
		MMP- Supply (MMP10) OR Return (MMP20) Fan	349934048			1	
		MMP- Supply (MMP10) OR Return (MMP20) Fan	349934047				1
3B		Link	349932922	1	1	1	1
3E		Aux. Contact- 1 NC OR NO	349933821	1	1	1	1

# Section N- Main Control Box

## Power Panel 1/07 thru 3/13 <sup>1</sup>

### Supply MMP10 & M10 Fan Contactor & Return MMP20 & M20 Fan Contactor Components, Continued

<sup>1</sup> Code 08= D. For units built between 10/06 and 12/06 OR 04/13 and 05/13 contact Daikin Applied.

#### 3 HP Motor- Code 22 OR 32= HEY, HFY, HHY, HJY, HKY

Ref. No.	Sch. Sym.	Part Description	Part Number	Voltage			
				208V	230V	460V	575V
1	M10, 20	Contactor- Supply (M10) OR Return (M20) Fan	349932122	1	1		
		Contactor- Supply (M10) OR Return (M20) Fan	349932121			1	1
3	MMP10, 20	MMP- Supply (MMP10) OR Return (MMP20) Fan	349934051	1			
		MMP- Supply (MMP10) OR Return (MMP20) Fan	349934050		1		
		MMP- Supply (MMP10) OR Return (MMP20) Fan	349934049			1	
		MMP- Supply (MMP10) OR Return (MMP20) Fan	349934048				1
3B		Link	349932922	1	1	1	1
3E		Aux. Contact- 1 NC OR NO	349933821	1	1	1	1

#### 5 HP Motor- Code 22 OR 32= JEY, JFY, JHY, JJY, JKY

Ref. No.	Sch. Sym.	Part Description	Part Number	Voltage			
				208V	230V	460V	575V
1	M10, 20	Contactor- Supply (M10) OR Return (M20) Fan	349932123	1	1		
		Contactor- Supply (M10) OR Return (M20) Fan	349932121			1	1
3	MMP10, 20	MMP- Supply (MMP10) OR Return (MMP20) Fan	349934052	1	1		
		MMP- Supply (MMP10) OR Return (MMP20) Fan	349934050			1	
		MMP- Supply (MMP10) OR Return (MMP20) Fan	349934049				1
3B		Link	349932922	1	1	1	1
3E		Aux. Contact- 1 NC OR NO	349933821	1	1	1	1

#### 7.5 HP Motor- Code 22 OR 32= KEY, KFY, KHY, KJY, KKY

Ref. No.	Sch. Sym.	Part Description	Part Number	Voltage			
				208V	230V	460V	575V
1	M10, 20	Contactor- Supply (M10) OR Return (M20) Fan	349932321	1	1		
		Contactor- Supply (M10) OR Return (M20) Fan	349932122			1	
		Contactor- Supply (M10) OR Return (M20) Fan	349932121				1
3	MMP10, 20	MMP- Supply (MMP10) OR Return (MMP20) Fan	349934054	1			
		MMP- Supply (MMP10) OR Return (MMP20) Fan	349934053		1		
		MMP- Supply (MMP10) OR Return (MMP20) Fan	349934051			1	
		MMP- Supply (MMP10) OR Return (MMP20) Fan	349934050				1
3B		Link	349932922	1	1	1	1
3E		Aux. Contact- 1 NC OR NO	349933821	1	1	1	1

# Section N- Main Control Box

## Power Panel— 1/07 thru 3/13 <sup>1</sup>

### Supply MMP10 & M10 Fan Contactor & Return MMP20 & M20 Fan Contactor Components, Continued

<sup>1</sup> Code 08= D. For units built between 10/06 and 12/06 OR 04/13 and 05/13 contact Daikin Applied.

#### 10 HP Motor- Code 22 OR 32= LEY, LFY, LHY, LJY, LKY

Ref. No.	Sch. Sym.	Part Description	Part Number	Voltage			
				208V	230V	460V	575V
1	M10, 20	Contactor- Supply (M10) OR Return (M20) Fan	349932521	1			
		Contactor- Supply (M10) OR Return (M20) Fan	349932322		1		
		Contactor- Supply (M10) OR Return (M20) Fan	349932123			1	
		Contactor- Supply (M10) OR Return (M20) Fan	349932122				1
3	MMP10, 20	MMP- Supply (MMP10) OR Return (MMP20) Fan	349934147	1			
		MMP- Supply (MMP10) OR Return (MMP20) Fan	349934055		1		
		MMP- Supply (MMP10) OR Return (MMP20) Fan	349934052			1	
		MMP- Supply (MMP10) OR Return (MMP20) Fan	349934051				1
3B		Link	349932922		1	1	1
3E		Aux. Block- 1 NO OR NC	349933821	1	1	1	1

#### 15 HP Motor- Code 22 OR 32= MEY, MFY, MHY, MJY, MKY

Ref. No.	Sch. Sym.	Part Description	Part Number	Voltage			
				208V	230V	460V	575V
1	M10, 20	Contactor- Supply (M10) OR Return (M20) Fan	349932522	1	1		
		Contactor- Supply (M10) OR Return (M20) Fan	349932321			1	
		Contactor- Supply (M10) OR Return (M20) Fan	349932123				1
3	MMP10, 20	MMP- Supply (MMP10) OR Return (MMP20) Fan	349934148	1	1		
		MMP- Supply (MMP10) OR Return (MMP20) Fan	349934053			1	
		MMP- Supply (MMP10) OR Return (MMP20) Fan	349934052				1
3B		Link	349932922			1	1
3E		Aux. Block- 1 NO OR NC	349933821	1	1	1	1



# Section N- Main Control Box

## Power Panel— 1/07 thru 3/13 <sup>1</sup>

### Supply MMP10 & M10 Fan Contactor & Return MMP20 & M20 Fan Contactor Components, Continued

<sup>1</sup> Code 08= D. For units built between 10/06 and 12/06 OR 04/13 and 05/13 contact Daikin Applied.

#### 20 HP Motor- Code 22 OR 32= NEY, NFY, NHY, NJY, NKY

Ref. No.	Sch. Sym.	Part Description	Part Number	Voltage			
				208V	230V	460V	575V
1	M10, 20	Contactor- Supply (M10) OR Return (M20) Fan	349932523	1	1		
		Contactor- Supply (M10) OR Return (M20) Fan	349932322			1	
		Contactor- Supply (M10) OR Return (M20) Fan	349932321				1
3	MMP10, 20	MMP- Supply (MMP10) OR Return (MMP20) Fan	349934149	1	1		
		MMP- Supply (MMP10) OR Return (MMP20) Fan	349934055			1	
		MMP- Supply (MMP10) OR Return (MMP20) Fan	349934053				1
3B		Link	349932922			1	1
3E		Aux. Block- 1 NO OR NC	349933821	1	1	1	1

#### 25 HP Motor- Code 32= PEY, PFY, PHY, PJY, PKY

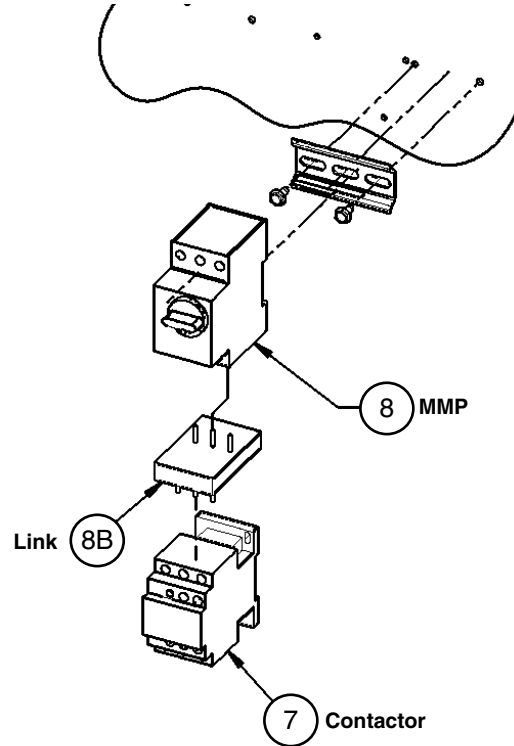
Ref. No.	Sch. Sym.	Part Description	Part Number	Voltage			
				208V	230V	460V	575V
1	M10	Contactor- Supply Fan	349932621	1	1		
		Contactor- Supply Fan	349932521			1	
		Contactor- Supply Fan	349932322				1
3	MMP10	MMP- Supply Fan	349938606	1			
		MMP- Supply Fan	349934149		1		
		MMP- Supply Fan	349934147			1	
		MMP- Supply Fan	349934054				1
3B		Link	349932922				1
3E		Aux. Block- 1 NO OR NC	349933821		1	1	1
3F		Trip Indicator Interlock	349938701	1			
3G		Lug (3 per kit)	349938801	2			

# Section N- Main Control Box

## Power Panel— 1/07 thru 3/13 <sup>1</sup>

### Heat Recovery Wheel Wheel Contactor & Motor Protector

<sup>1</sup> Code 08= D. For units built between 10/06 and 12/06 OR 04/13 and 05/13 contact Daikin Applied.



#### MMP60, 61 & M60, 61 Detail (Units With No Frost Protection— Code 24=Y)

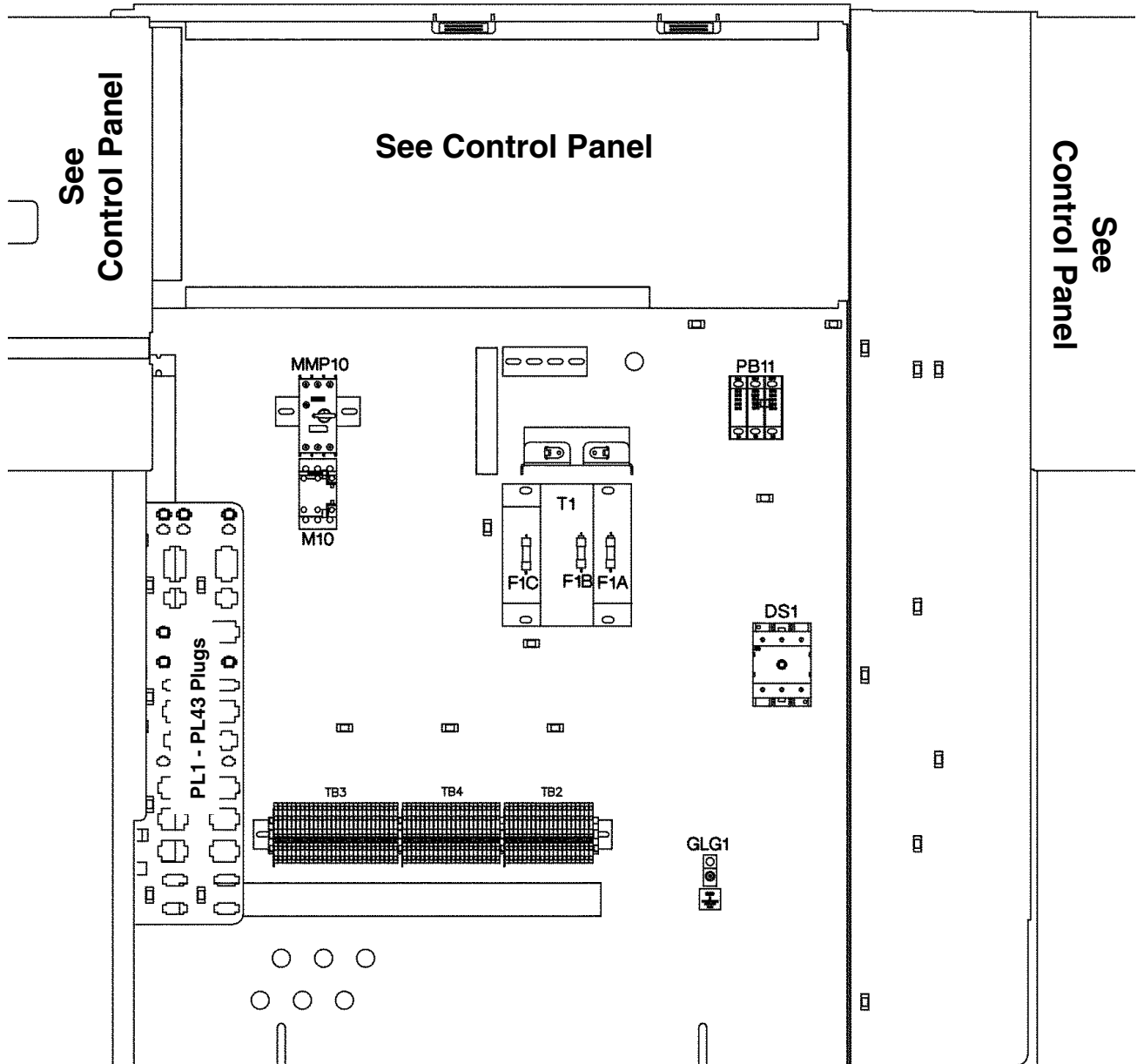
Ref No	Sch Sym	Part Description	Part Number	Heat Recovery Control Type								
				100% OA Low Flow Code 20= 1E			100% OA HI Flow Code 20= 2E			Economizer Code 20= 3E		
				208/230V	460V	575V	208/230V	460V	575V	208/230V	460V	575V
		<b>Heat Wheel Contactor</b>										
7	M60	Contactor	349932121	1	1	1	1	1	1	1	1	1
	M61	Contactor	349932121				1	1	1			
		<b>Heat Wheel MMP's &amp; Parts</b>										
8	MMP60	Manual Motor Protector	349934048	1			1			1		
		Manual Motor Protector	349934046		1	1		1	1		1	1
	MMP61	Manual Motor Protector	349934048				1					
		Manual Motor Protector	349934046					1	1			
8B		Link- MMP	349932922	1	1	1	2	2	2	1	1	1

# Section N- Main Control Box

## Power Panel 6/13 & Later <sup>1</sup>

### Diagram

<sup>1</sup> Code 08= D. For units built between 04/13 and 05/13 Contact Daikin Applied.



# Section N- Main Control Box

## Power Panel 6/13 & Later <sup>1</sup>

### Common Components

<sup>1</sup> Code 08= D. For units built between 04/13 and 05/13 Contact Daikin Applied.

#### Power Panel- Terminal Blocks, T1 Transformer & Fusing

Sch. Sym.	Part Description	Part Number	Voltage			
			208V	230V	460V	575V
	<b>Transformer- Main <sup>2</sup></b>					
T1	Transformer- Main Control					
	Electric, Hydronic, No Heat (Code 04= E, S, W, Y)					
	Units without UV Lights & No Controls (C12= YM)	038253972	1			
	Units without UV Lights & No Controls (C12= YM)	038253954		1	1	1
	Units without UV Lights w/MicroTech III	038253974	1			
	Units without UV Lights w/MicroTech III	038253956		1	1	
	Units without UV Lights w/MicroTech III	038253983				1
	Units with UV Lights (Code 17 [2nd digit]= 1- 8)	038253975	1			
	Units with UV Lights (Code 17 [2nd digit]= 1- 8)	038253957		1	1	
	Units with UV Lights (Code 17 [2nd digit]= 1- 8)	038253984				1
	Gas Heat (Code 04= A)					
	Units without UV Lights	038253975	1			
	Units without UV Lights	038253957		1	1	
	Units without UV Lights	038253984				1
	Units with UV Lights (Code 17 [2nd digit]= 1- 8)	038253976	1			
	Units with UV Lights (Code 17 [2nd digit]= 1- 8)	038253958		1	1	
	Units with UV Lights (Code 17 [2nd digit]= 1- 8)	038253985				1
	<b>Fuses- T1</b>					
F1.A,B	Fuse- T1 Transformer, Primary					
	Electric, Hydronic, No Heat (Code 04= E, S, W, Y)					
	Units without UV Lights & No Controls (C12= YM)	349937125	2			
	Units without UV Lights & No Controls (C12= YM)	349937124		2	2	
	Units without UV Lights & No Controls (C12= YM)	349937123				2
	Units without UV Lights & MicroTech III	349937132	2			
	Units without UV Lights & MicroTech III	349937131		2		
	Units without UV Lights & MicroTech III	349937124			2	
	Units without UV Lights & MicroTech III	349937129				2
	Units with UV Lights (Code 17 [2nd digit]= 1- 8)	349937134	2			
	Units with UV Lights (Code 17 [2nd digit]= 1- 8)	349937133		2		
	Units with UV Lights (Code 17 [2nd digit]= 1- 8)	349937129			2	
	Units with UV Lights (Code 17 [2nd digit]= 1- 8)	349937125				2
	Gas Heat (Code 04= A)					
	Units without UV Lights	349937134	2			
	Units without UV Lights	349937133		2		
	Units without UV Lights	349937129			2	
	Units without UV Lights	349937125				2
	Units with UV Lights (Code 17 [2nd digit]= 1- 8)	349937135	2	2		
	Units with UV Lights (Code 17 [2nd digit]= 1- 8)	349937131			2	
	Units with UV Lights (Code 17 [2nd digit]= 1- 8)	349937129				2
F1.C	Fuse- T1 Transformer	349937036 <sup>3</sup>	1	1	1	1
	Fuse- T1 Transformer	349937035 <sup>3</sup>	1	1	1	1
	Fuse- T1 Transformer	349937033 <sup>3</sup>	1	1	1	1
	Fuse- T1 Transformer	349937027 <sup>3</sup>	1	1	1	1

<sup>2</sup> T1 transformers also use Fuse Puller Kit p/n 349955801 & Cover Kit p/n 349955901.

<sup>3</sup> Fuse depends on heat type and presence of UV lights. 349937036= Gas Heat Unit w/UV lights; 349937035= Gas Heat Unit with no UV lights OR Non-Gas Heat Unit with UV lights; 349937033= Non- Gas Heat Units with no UV lights (w/ MicroTech III Controls, Code 12= \*E, \*F, \*W); 349937027= Non- Gas Heat Units with no UV lights (w/ No Controls, Code 12= YM) .

# Section N- Main Control Box

## Power Panel 6/13 & Later <sup>1</sup>

### Common Components, Continued

<sup>1</sup> Code 08= D. For units built between 04/13 and 05/13 Contact Daikin Applied.

#### Power Panel- Fusing, Phase Protection, Ground Fault, Power Blocks, Terminal Blocks

Sch. Sym.	Part Description	Part Number	Voltage			
			208V	230V	460V	575V
	<b>Fuses, continued</b>					
F2,F3, F5	Fuses <sup>7</sup>					
	Fuse Block	023780223	1/fuse	1/fuse	1/fuse	1/fuse
	Fuse Cover	349938227	1/fuse	1/fuse	1/fuse	1/fuse
F2	Fuse- 2000+VA transformer	349937035	1	1	1	1
F3	Fuse- Blower Motor <sup>7</sup> (Code 04= A)	349937035	1	1	1	1
F5	Fuse- UV Lights <sup>7</sup> (Code 17 [2nd digit]= 1- 8)	349937032	1	1	1	1
	<b>Phase Voltage Monitor <sup>7</sup> (Code 17= P,A,C,D,H,J,K)</b>					
PVM1	Phase Voltage Monitor	112022001	1	1	1	
	Phase Voltage Monitor	112022002				1
	<b>Ground Fault Protection <sup>7</sup> (Code 17= G,B,C,D,K)</b>					
GFR1	Ground Fault Relay- SPDT	349937502	1	1	1	1
GFS1	Ground Fault Sensor	349937407	1	1	1	1
	<b>Power Blocks Code 11= P1, Q1</b>					
PB1	Power Block- Main <sup>7</sup>					
	Power Block- 175A <sup>4</sup>	030372777	1	1	1	1
	Lug- 175A Block	349938001	1	1	1	1
	Power Block- 310A <sup>4</sup>	030372783	1	1	1	1
	Lug- 310A Block	349938001	1	1	1	1
	Power Block- 420A <sup>4</sup>	030372785	1	1	1	1
	Lug- 420A Block	349938002	1	1	1	1
	Power Block- 760A <sup>4, 5</sup>	030372721			1	1
	Lug- 760A Block	349938003	1	1	1	1
PB11	Power Block- Power Distribution (Code 04= E)					
	20, 40 KW Electric Heat	030372777	1	1	1	1
	60, 80, 100, 120 KW Electric Heat	030372785	1	1		
	60, 80, 100, 120 KW Electric Heat	030372777			1	1
	140, 160, 180, 200, 220, 240 KW Electric Heat	030372785			1	1
PB10	Power Block- Supply Fan <sup>7</sup> (Code 15= F)	030372776	1	1	1	1
PB20	Power Block- Return Fan <sup>7</sup> (Code 15= F)	030372776	1	1	1	1
	<b>Terminal Blocks</b>					
TB1	Terminal Block <sup>7</sup>	349930641	6	6	6	6
TB2, 7	Terminal Block	349930641	2	2	2	2
TB3	Terminal Block	349930641	3	3	3	3

<sup>2</sup> Varies depending upon unit options. Part number is for one individual section. Ground Block is p/n 349930647.

<sup>3</sup> Varies depending upon unit options. Part number is for one individual section. When required, Jumpers are p/n 349930922 (2 pole), 349930923 (3 pole), 349930924 (4 pole), 349930925 (5 pole).

<sup>4</sup> Any of the listed parts may be used, depending upon unit options. Check installed part to verify, or contact Daikin Applied with unit serial and/or GO number to ensure correct replacement is selected.

<sup>5</sup> Also uses Cover p/n 349938345.

<sup>6</sup> Varies depending upon unit options. Part number is for one individual section. Ground Block is p/n 349930647. Jumpers are p/n 349930945 (TB1A:5), 349930943 (TB2B:14), 349930942 (TB1C:20, TB1D:25 & TB1E:30).

<sup>7</sup> Not shown on diagram.

# Section N- Main Control Box

## Power Panel 6/13 & Later <sup>1</sup>

### Common Components, Continued

<sup>1</sup> Code 08= D. For units built between 04/13 and 05/13 Contact Daikin Applied.

#### Power Panel- Disconnect Switch, Plugs

Sch. Sym.	Part Description	Part Number	Voltage			
			208V	230V	460V	575V
	<b>Disconnect Switch <sup>2</sup></b>					
DS1	Disconnect Switch- Main					
	Switch- 100A	193444703	1	1	1	1
	Handle	193422102	1	1	1	1
	Shaft <sup>3</sup>	193596420	1	1	1	1
	Switch- 150A	193585101	1	1	1	1
	Handle	193422102	1	1	1	1
	Mechanism	193550801	1	1	1	1
	Shaft <sup>3</sup>	193596420	1	1	1	1
	Lugs <sup>5</sup>	193553301	1	1	1	1
	Switch- 250A	193551601	1	1	1	1
	Handle	193595701	1	1	1	1
	Mechanism	193551001	1	1	1	1
	Shaft <sup>4</sup>	300049193	1	1	1	1
	Lugs <sup>5</sup>	193553801	1	1	1	1
	Switch- 400A	193551701	1	1	1	1
	Handle	193595701	1	1	1	1
	Mechanism	193551001	1	1	1	1
	Shaft <sup>4</sup>	300049193	1	1	1	1
	Lugs <sup>5</sup>	193554001	1	1	1	1
	Switch- 600A	193551801	1	1	1	1
	Handle	193595701	1	1	1	1
	Mechanism	193551001	1	1	1	1
	Shaft <sup>4</sup>	300049193	1	1	1	1
	Lugs <sup>5</sup>	193554101	2	2	2	2
	<b>Plugs <sup>13</sup></b>					
6	4 Pin Plug	349930201	varies	varies	varies	varies
7	6 Pin Plug	349930403	varies	varies	varies	varies
8	12 Pin Plug	349930405	varies	varies	varies	varies
9	3 Pin Cap Kit	349930501	varies	varies	varies	varies
10	6 Pin Cap Kit	349930503	varies	varies	varies	varies
11	9 Pin Cap Kit	349930504	varies	varies	varies	varies
12	15 Pin Cap Kit	349930506	varies	varies	varies	varies

<sup>2</sup> Any of the listed Disconnects may be used, depending upon unit options. Check installed part to verify, or contact Daikin Applied with unit serial and/or GO number to ensure correct replacement is selected.

<sup>3</sup> This Shaft is 14.25" OAL and is designed to be cut to length in the field.

<sup>4</sup> This Shaft is 7.21" (183mm) OAL and is designed to be cut to length in the field. For a 19.69" (500mm) OAL use p/n 300040299.

<sup>5</sup> Three Lugs are included with each p/n.

<sup>6</sup> Used for PL1, PL 2, PL3, PL4, PL5, PL6, PL22, PL23, PL24, PL37, PL38.

<sup>7</sup> Used with Strain Relief (p/n 300041173) & 6 Pin Cap Kit (p/n 349930503). Used for PL20, PL21.

<sup>8</sup> Used for PL11, PL12, PL25, PL26, PL27, PL28, PL29, PL30 (PL11 & 12 also use Strain Relief p/n 300041175 & Cap Kit p/n 349930505).

<sup>9</sup> Used for PL16, PL17, PL31, PL32, PL33, PL34, PL39, PL40, PL41, PL42.

<sup>10</sup> Used for PL9, PL10.

<sup>11</sup> Used for PL18, PL19, PL35, PL36, PL43.

<sup>12</sup> Used for PL7, PL8.

<sup>13</sup> All possible Plugs used are listed. Check actual unit to verify which Plug is required.

# Section N- Main Control Box

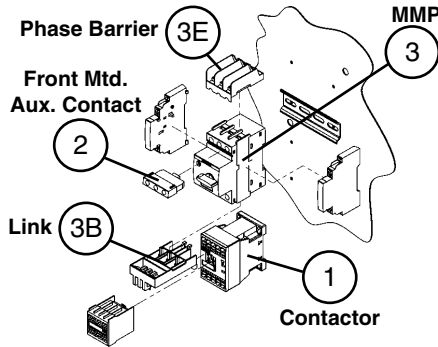
## Power Panel 6/13 & Later <sup>1</sup>

### Supply MMP10 & M10 Fan Contactor

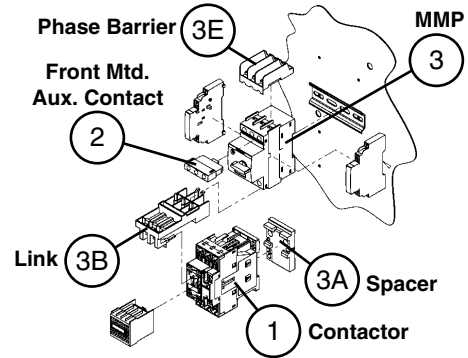
### Return MMP20 & M20 Fan Contactor

### Diagrams

<sup>1</sup> Code 08= D. For units built between 04/13 and 05/13 Contact Daikin Applied.

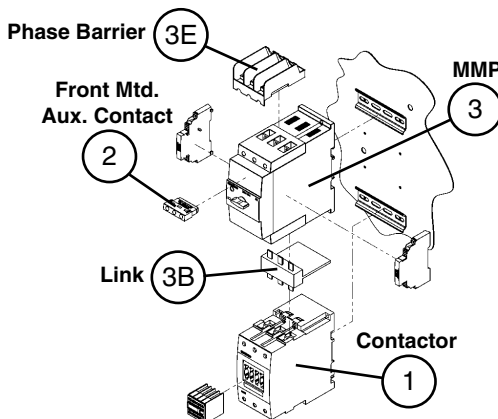


**MMP10 & M10 Link Detail**  
 1- 2 HP Motors- All Voltages  
 3, 5 HP Motors- 460/575V  
 7.5 HP Motors- 575V

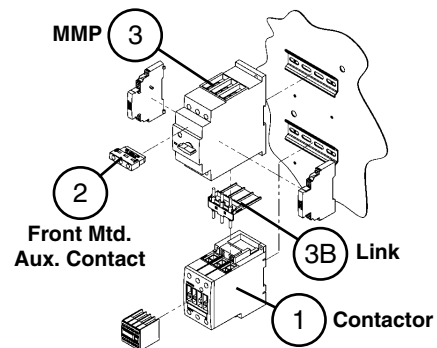


**MMP10 & M10 Link Detail**  
 3, 5 HP Motors- 208/230V  
 7.5 HP Motors- 208/230/460V  
 10 HP Motors- All Voltages  
 15, 20 HP Motors- 460V

**NOTE: The diagrams show ALL possible parts. Not every part shown applies to every unit size/voltage combination.**



**MMP10 & M10 Link Detail**  
 20, 25 HP Motors- 208/230V



**MMP10 & M10 Link Detail**  
 15 HP Motors- 208/230/575V  
 20 HP Motors- 575V  
 25 HP Motor- 460/575V

# Section N- Main Control Box

## Power Panel 6/13 & Later <sup>1</sup>

### Supply AND Return Fan Contactors, Circuit Breakers, & Fusing Components

<sup>1</sup> Code 08= D. For units built between 04/13 and 05/13 Contact Daikin Applied.

#### 1 HP Motor- Code 22 OR 32= EEE, EEE, EHY, EJJ, EKY

Ref. No.	Sch. Sym.	Part Description	Part Number	Voltage			
				208V	230V	460V	575V
1	M10, 20	Contactor- Supply Fan OR Return Fan 7A	193534105	1	1	1	1
2		Aux. Contact- 1 NC OR NO	193543801	1	1	1	1
3	MMP10, 20	MMP- Supply OR Return Fan 2.8- 4A	193542909	1			
		MMP- Supply OR Return Fan 2.2- 3.2A	193542908		1		
		MMP- Supply OR Return Fan 1.1- 1.6A	193542905			1	
		MMP- Supply OR Return Fan 0.9- 1.25A	193542904				1
3B		Link	193545901	1	1	1	1
3E		Phase Barrier	193545501	1	1	1	1
N/S	CB10, 20	Circuit Breaker- Supply Fan OR Return Fan 15A	193550201				1
	FB10, 20	Fuseblock- Supply Fan OR Return Fan	023780232	1	1	1	
		Fuse- Supply Fan OR Return Fan 5A	349937124	3			
		Fuse- Supply Fan OR Return Fan 4A	349937123		3		
		Fuse- Supply Fan OR Return Fan 2A	349937116			3	
		Fuse Cover/Puller- Supply Fan OR Return Fan	349938227	<sup>2</sup>	<sup>2</sup>	<sup>2</sup>	

N/S= Not Shown on Diagram.

<sup>2</sup> 1 pc. PER Fuse.

#### 1.5 HP Motor- Code 22 OR 32= FEY, FFY, FHY, FJJ, FKY

Ref. No.	Sch. Sym.	Part Description	Part Number	Voltage			
				208V	230V	460V	575V
1	M10, 20	Contactor- Supply Fan OR Return Fan 7A	193534105	1	1	1	1
2		Aux. Contact- 1 NC OR NO	193543801	1	1	1	1
3	MMP10, 20	MMP- Supply OR Return Fan 4.5- 6.3A	193542911	1			
		MMP- Supply OR Return Fan 3.5- 5A	193542910		1		
		MMP- Supply OR Return Fan 1.8- 2.5A	193542907			1	
		MMP- Supply OR Return Fan 1.4- 2A	193542906				1
3B		Link	193545901	1	1	1	1
3E		Phase Barrier	193545501	1	1	1	1
N/S	CB10, 20	Circuit Breaker- Supply Fan OR Return Fan 15A	193550201				1
	FB10, 20	Fuseblock- Supply Fan OR Return Fan	023780232	1	1	1	
		Fuse- Supply Fan OR Return Fan 8A	349937129	3			
		Fuse- Supply Fan OR Return Fan 7A	349937127		3		
		Fuse- Supply Fan OR Return Fan 3A	349937120			3	
		Fuse Cover/Puller- Supply Fan OR Return Fan	349938227	<sup>3</sup>	<sup>3</sup>	<sup>3</sup>	

N/S= Not Shown on Diagram.

<sup>3</sup> 1 pc. PER Fuse.



# Section N- Main Control Box

## Power Panel 6/13 & Later <sup>1</sup>

### Supply AND Return Fan Contactors, Circuit Breakers, & Fusing Components

<sup>1</sup> Code 08= D. For units built between 04/13 and 05/13 Contact Daikin Applied.

#### 2 HP Motor- Code 22 OR 32= GEY, GFY, GHY, GJY, GKY

Ref. No.	Sch. Sym.	Part Description	Part Number	Voltage			
				208V	230V	460V	575V
1	M10, 20	Contact- Supply Fan OR Return Fan 9A	193534106	1			
		Contact- Supply Fan OR Return Fan 7A	193534105		1	1	1
2		Aux. Contact- 1 NC OR NO	193543801	1	1	1	1
3	MMP10, 20	MMP- Supply OR Return Fan 5.5- 8A	193542912	1			
		MMP- Supply OR Return Fan 4.5- 6.3A	193542911		1		
		MMP- Supply OR Return Fan 2.2- 3.2A	193542908			1	
		MMP- Supply OR Return Fan 1.8- 2.5A	193542907				1
3B		Link	193545901	1	1	1	1
3E		Phase Barrier	193545501	1	1	1	1
N/S	CB10, 20	Circuit Breaker- Supply Fan OR Return Fan 15A	193550201				1
	FB10, 20	Fuseblock- Supply Fan OR Return Fan	023780232	1	1	1	
		Fuse- Supply Fan OR Return Fan 10A	349937131	3			
		Fuse- Supply Fan OR Return Fan 9A	349937130		3		
		Fuse- Supply Fan OR Return Fan 4A	349937123			3	
		Fuse Cover/Puller- Supply Fan OR Return Fan	349938227	2	2	2	

N/S= Not Shown on Diagram.

<sup>2</sup> 1 pc. PER Fuse.

#### 3 HP Motor- Code 22 OR 32= HEY, HFY, HHY, HJY, HKY

Ref. No.	Sch. Sym.	Part Description	Part Number	Voltage			
				208V	230V	460V	575V
1	M10, 20	Contact- Supply Fan OR Return Fan 12A	193592005	1	1		
		Contact- Supply Fan OR Return Fan 7A	193534105			1	1
2		Aux. Contact- 1 NC OR NO	193543801	1	1	1	1
3	MMP10, 20	MMP- Supply OR Return Fan 7- 10A	193543007	1	1		
		MMP- Supply OR Return Fan 3.5- 5A	193542910			1	1
3A		Spacer	193545801	1	1		
3B		Link	193546001	1	1		
		Link	193545901			1	1
3E		Phase Barrier	193545501	1	1	1	1
N/S	CB10, 20	Circuit Breaker- Supply Fan OR Return Fan 15A	193550201				1
	FB10, 20	Fuseblock- Supply Fan OR Return Fan	023780232	1	1	1	
		Fuse- Supply Fan OR Return Fan 15A	349937133	3			
		Fuse- Supply Fan OR Return Fan 10A	349937131		3		
		Fuse- Supply Fan OR Return Fan 7A	349937127			3	
		Fuse Cover/Puller- Supply Fan OR Return Fan	349938227	3	3	3	

N/S= Not Shown on Diagram.

<sup>3</sup> 1 pc. PER Fuse.

# Section N- Main Control Box

## Power Panel 6/13 & Later <sup>1</sup>

### Supply AND Return Fan Contactors, Circuit Breakers, & Fusing Components

<sup>1</sup> Code 08= D. For units built between 04/13 and 05/13 Contact Daikin Applied.

#### 5 HP Motor- Code 22 OR 32= JEY, JFY, JHY, JJY, JKY

Ref. No.	Sch. Sym.	Part Description	Part Number	Voltage			
				208V	230V	460V	575V
1	M10, 20	Contact- Supply Fan OR Return Fan 25A	193537304	1			
		Contact- Supply Fan OR Return Fan 16A	193592006		1		
		Contact- Supply Fan OR Return Fan 9A	193534106			1	
		Contact- Supply Fan OR Return Fan 7A	193534105				1
2		Aux. Contact- 1 NC OR NO	193543801	1	1	1	1
3	MMP10, 20	MMP- Supply OR Return Fan 11- 16A	193543009	1	1		
		MMP- Supply OR Return Fan 5.5- 8A	193542912			1	1
3A		Spacer	193545801	1	1		
3B		Link	193546001	1	1		
		Link	193545901			1	1
3E		Phase Barrier	193545501	1	1	1	1
N/S	CB10, 20	Circuit Breaker- Supply Fan OR Return Fan 15A	193550201				1
	FB10, 20	Fuseblock- Supply Fan OR Return Fan	023780232	1	1	1	
		Fuse- Supply Fan OR Return Fan 25A	349937136	3			
		Fuse- Supply Fan OR Return Fan 20A	349937135		3		
		Fuse- Supply Fan OR Return Fan 10A	349937131			3	
		Fuse Cover/Puller- Supply Fan OR Return Fan	349938227	2	2	2	

N/S= Not Shown on Diagram.

<sup>2</sup> 1 pc. PER Fuse.

#### 7.5 HP Motor- Code 22 OR 32= KEY, KFY, KHY, KJY, KKY

Ref. No.	Sch. Sym.	Part Description	Part Number	Voltage			
				208V	230V	460V	575V
1	M10, 20	Contact- Supply Fan OR Return Fan 25A	193537304	1	1		
		Contact- Supply Fan OR Return Fan 12A	193592005			1	
		Contact- Supply Fan OR Return Fan 9A	193534106				1
2		Aux. Contact- 1 NC OR NO	193543801	1	1	1	1
3	MMP10, 20	MMP- Supply OR Return Fan 20- 25A	193543012	1			
		MMP- Supply OR Return Fan 17- 22A	193543011		1		
		MMP- Supply OR Return Fan 9- 12.5A	193543008			1	
		MMP- Supply OR Return Fan 7- 10A	193542913				1
3A		Spacer	193545801	1	1	1	
3B		Link	193546001	1	1	1	
		Link	193545901				1
3E		Phase Barrier	193545501	1	1	1	1
N/S	CB10, 20	Circuit Breaker- Supply Fan OR Return Fan 15A	193550201				1
	FB10, 20	Fuseblock- Supply Fan OR Return Fan	193428502	1	1		
		Fuseblock- Supply Fan OR Return Fan	023780232			1	
		Fuse- Supply Fan OR Return Fan 35A	113085249	3	3		
		Fuse- Supply Fan OR Return Fan 15A	349937133			3	
		Fuse Cover- Supply Fan OR Return Fan	193428602	1	1		
		Fuse Cover/Puller- Supply Fan OR Return Fan	349938227			3	

N/S= Not Shown on Diagram.

<sup>3</sup> 1 pc. PER Fuse.

# Section N- Main Control Box

## Power Panel 6/13 & Later <sup>1</sup>

### Supply AND Return Fan Contactors, Circuit Breakers, & Fusing Components

<sup>1</sup> Code 08= D. For units built between 04/13 and 05/13 Contact Daikin Applied.

#### 10 HP Motor- Code 22 OR 32= LEY, LFY, LHY, LJY, LKY

Ref. No.	Sch. Sym.	Part Description	Part Number	Voltage			
				208V	230V	460V	575V
1	M10, 20	Contactor- Supply Fan OR Return Fan 32A	193537305	1	1		
		Contactor- Supply Fan OR Return Fan 16A	193592006			1	
		Contactor- Supply Fan OR Return Fan 12A	193592005				1
2		Aux. Contact- 1 NC OR NO	193543801	1	1	1	1
3	MMP10, 20	MMP- Supply OR Return Fan 27- 32A	193543014	1			
		MMP- Supply OR Return Fan 23- 28A	193543013		1		
		MMP- Supply OR Return Fan 11- 16A	193543009			1	
		MMP- Supply OR Return Fan 9- 12.5A	193543008				1
3A		Spacer	193545801	1	1	1	1
3B		Link	193546001	1	1	1	1
3E		Phase Barrier	193545501	1	1	1	1
N/S	CB10, 20	Circuit Breaker- Supply Fan OR Return Fan 15A	193550201				1
	FB10, 20	Fuseblock- Supply Fan OR Return Fan	193428502	1	1		
		Fuseblock- Supply Fan OR Return Fan	023780232			1	
		Fuse- Supply Fan OR Return Fan 50A	113085252	3			
		Fuse- Supply Fan OR Return Fan 45A	113085251		3		
		Fuse- Supply Fan OR Return Fan 20A	349937135			3	
		Fuse Cover- Supply Fan OR Return Fan	193428602	1	1		
		Fuse Cover/Puller- Supply Fan OR Return Fan	349938227			2	

N/S= Not Shown on Diagram.

<sup>2</sup> 1 pc. PER Fuse.

# Section N- Main Control Box

## Power Panel 6/13 & Later <sup>1</sup>

### Supply AND Return Fan Contactors, Circuit Breakers, & Fusing Components

<sup>1</sup> Code 08= D. For units built between 04/13 and 05/13 Contact Daikin Applied.

#### 15 HP Motor- Code 22 OR 32= MEY, MFY, MHY, MJY, MKY

Ref. No.	Sch. Sym.	Part Description	Part Number	Voltage			
				208V	230V	460V	575V
1	M10, 20	Contact- Supply Fan OR Return Fan 50A	193591602	1	1		
		Contact- Supply Fan OR Return Fan 25A	193537304			1	
		Contact- Supply Fan OR Return Fan 25A	193598101				1
2		Aux. Contact- 1 NC OR NO	193546201	1	1		1
		Aux. Contact- 1 NC OR NO	193543801			1	
3	MMP10, 20	MMP- Supply OR Return Fan 36- 45A	193543306	1			
		MMP- Supply OR Return Fan 28- 40A	193543305		1		
		MMP- Supply OR Return Fan 14- 20A	193543010			1	
		MMP- Supply OR Return Fan 11- 16A	193543301				1
3A		Spacer	193545801			1	
3B		Link	193547401	1	1		1
		Link	193546001			1	
3E		Phase Barrier	193545501			1	
N/S	CB10, 20	Circuit Breaker- Supply Fan OR Return Fan 20A	193550202				1
	FB10, 20	Fuseblock- Supply Fan OR Return Fan	349964253	1			
		Fuseblock- Supply Fan OR Return Fan	193428502		1		
		Fuseblock- Supply Fan OR Return Fan	023780232			1	
		Fuse- Supply Fan OR Return Fan 70A	113085254	3			
		Fuse- Supply Fan OR Return Fan 60A	113085253		3		
		Fuse- Supply Fan OR Return Fan 30A	349937137			3	
		Fuse Cover- Supply Fan OR Return Fan	349964263	1			
		Fuse Cover- Supply Fan OR Return Fan	193428602		1		
		Fuse Cover/Puller- Supply Fan OR Return Fan	349938227			<sup>2</sup>	

N/S= Not Shown on Diagram.

<sup>2</sup> 1 pc. PER Fuse.

# Section N- Main Control Box

## Power Panel 6/13 & Later <sup>1</sup>

### Supply AND Return Fan Contactors, Circuit Breakers, & Fusing Components

<sup>1</sup> Code 08= D. For units built between 04/13 and 05/13 Contact Daikin Applied.

#### 20 HP Motor- Code 22 OR 32= NEY, NFY, NHY, NJY, NKY

Ref. No.	Sch. Sym.	Part Description	Part Number	Voltage			
				208V	230V	460V	575V
1	M10, 20	Contact- Supply Fan OR Return Fan 65A	193591701	1	1		
		Contact- Supply Fan OR Return Fan 32A	193537305			1	
		Contact- Supply Fan OR Return Fan 25A	193598101				1
2		Aux. Contact- 1 NC OR NO	193546201	1	1		1
		Aux. Contact- 1 NC OR NO	193543801			1	
3	MMP10, 20	MMP- Supply OR Return Fan 45- 63A	193543403	1	1		
		MMP- Supply OR Return Fan 23- 28A	193543013			1	
		MMP- Supply OR Return Fan 18- 25A	193543303				1
3A		Spacer	193545801			1	
3B		Link	193547501	1	1		
		Link	193546001			1	
		Link	193547401				1
3E		Phase Barrier	193547301	1	1		
		Phase Barrier	193545501			1	
N/S	CB10, 20	Circuit Breaker- Supply Fan OR Return Fan 70A	193550207	1			
		Circuit Breaker- Supply Fan OR Return Fan 60A	193550206		1		
		Circuit Breaker- Supply Fan OR Return Fan 30A	193550203				1
	FB10, 20	Fuseblock- Supply Fan OR Return Fan	193428502			1	
		Fuse- Supply Fan OR Return Fan 40A	113085250			3	
		Fuse Cover- Supply Fan OR Return Fan	193428602			1	

N/S= Not Shown on Diagram.

#### 25 HP Motor- Code 32= PEY, PFY, PHY, PJY, PKY

Ref. No.	Sch. Sym.	Part Description	Part Number	Voltage			
				208V	230V	460V	575V
1	M10	Contact- Supply Fan 80A	193591702	1	1		
		Contact- Supply Fan 40A	193591601			1	
		Contact- Supply Fan 32A	193598102				1
2		Aux. Contact- 1 NC OR NO	193546201	1	1	1	1
3	MMP10	MMP- Supply Fan 57- 75A	193543404	1			
		MMP- Supply Fan 45- 63A	193543403		1		
		MMP- Supply Fan 22- 32A	193543304			1	1
3B		Link	193547501	1	1		
		Link	193546001				
		Link	193547401			1	1
3E		Phase Barrier	193547301	1	1		
N/S	CB10	Circuit Breaker- Supply Fan 90A	193550209	1			
		Circuit Breaker- Supply Fan 80A	193550208		1		
		Circuit Breaker- Supply Fan 40A	193550204				1
	FB10	Fuseblock- Supply Fan	193428502			1	
		Fuse- Supply Fan 50A	113085252			3	
		Fuse Cover- Supply Fan	193428602			1	

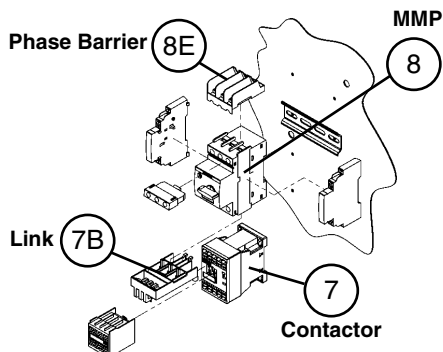
N/S= Not Shown on Diagram.

# Section N- Main Control Box

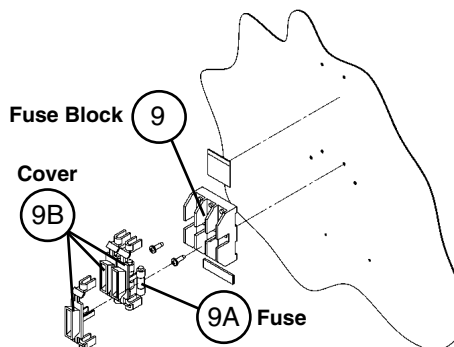
Power Panel 6/13 & Later <sup>1</sup>

## Heat Recovery Wheel Contactor, Motor Protector, Circuit Breaker, & Fusing Components

<sup>1</sup> Code 08= D. For units built between 04/13 and 05/13 Contact Daikin Applied.



**MMP & Contactor Detail**



**ERW Fusing Detail**

Ref No.	Sch Sym	Part Description	Part Number	Heat Recovery Control Type <sup>2</sup>											
				100% OA Low Flow Code 20= 1E				100% OA HI Flow Code 20= 2E				Economizer Code 20= 3E			
				208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V
		<b>Heat Wheel Contactor</b>													
7	M60	Contactor 7A	193534105	1	1	1	1	1	1	1	1	1	1	1	1
	M61	Contactor 7A	193534105					1	1	1	1				
7B		Link- MMP	193545901	1	1	1	1	2	2	2	2	1	1	1	1
		<b>Heat Wheel MMP</b>													
8	MMP60	Motor Protector	193542909	1				1				1			
		Motor Protector	193542908		1				1				1		
		Motor Protector	193542905			1				1				1	
		Motor Protector	193542904				1				1				1
	MMP61	Motor Protector	193542909					1							
		Motor Protector	193542908						1						
		Motor Protector	193542905							1					
		Motor Protector	193542904								1				
8E		Phase Barrier	193545501	1	1	1	1					1	1	1	1
N/S		Busbar	193544301					1	1	1	1				
N/S		Busbar Top Feed	193545101					1	1	1	1				
		<b>Heat Wheel Fusing <sup>3</sup></b>													
9	FB60 ,61	Fuse Block	023780232	1	1	1		2	2	2		1	1	1	
9A	F60, 61	Fuse 10A	349937131					6							
		Fuse 9A	349937130						6						
		Fuse 5A	349937124	3								3			
		Fuse 4A	349937123		3					6			3		
		Fuse 3A	349937116			3								3	
9B		Fuse Cover/Puller	349938227	3	3	3		6	6	6		3	3	3	
N/S	CB60, 61	Circuit Breaker 15A	193550201				1				2				1
N/S	OL61	Overload 0.7- 1A	193547901								1				

N/S= Not shown on diagram.

<sup>2</sup> For Heat Wheel Inverter (VFD60) p/ns, refer to the "VFD60 Frost Protection Inverter (Code 24= F)" page in Section A2.

<sup>3</sup> Fuse components for the Heat Wheel are located in the Power Panel.

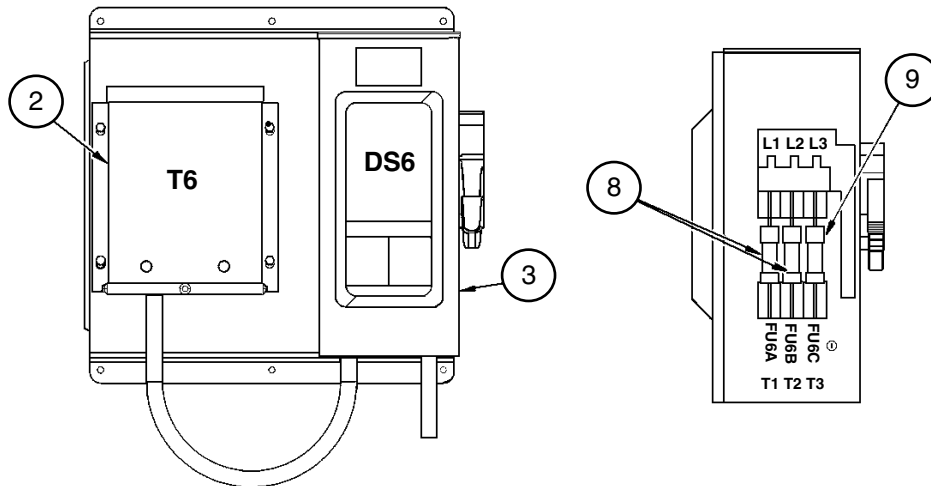
# Section M- Condenser Section

## Factory Supplied Line Voltage Box- Code 18= U\*\*\*, V\*\*\*

### Powered Receptacle and Lights

#### T6, DS6, FU6A, FU6B, FU6C

#### 03/13 & Earlier <sup>1</sup>



<sup>1</sup> If the unit was built between 04/13- 05/13 contact Daikin Applied to confirm installed components.

Ref. No.	Sch. Sym.	Part Description	Part Number	Voltage			
				208V	230V	460V	575V
2	T6	Transformer 2KVA	349987001	1			
		Transformer 2KVA	349987002		1	1	
		Transformer 2KVA	349987003				1
3	DS6	Disconnect Switch 30A/600V	349991901	1	1	1	1
8	FU6A,B	Fuse 20A/600V	193403711	2	2		
		Fuse 10A/600V	193403708			2	
		Fuse 8A/600V	193403707				2
9	FU6C	Fuse 20A/600V	193403711	1	1	1	1

#### 06/13 & Later

Ref No	Sch Sym	Part Description	Part Number	Voltage			
				208V	230V	460V	575V
N/S	T6	Transformer 2KVA	099477214	1			
		Transformer 2KVA	099477114		1	1	
		Transformer 2KVA	099477314				1
N/S	-	Finger Safe Cover Kit	099477602	1	1	1	1
N/S	DS6	Fuse Holder/Circuit Protector 2P, 30A, 600V	193443801	1	1	1	1
N/S	FU6A,B	Fuse 20A/600V	349937135	2	2		
		Fuse 10A/600V	349937131			2	
		Fuse 8A/600V	349937129				2
N/S	FU6C	Fuse 20A/600V	349937135	1	1	1	1
N/S		Fuseblock 1P, 30A, 500V	023780223	1	1	1	1
N/S		Fuse Cover/Puller	349938227	2	2	2	2

N/S= Not Shown on Diagram.

<sup>2</sup> 1pc. PER Fuse.